

中文履歷

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副教授 (教育部副字第 045025)

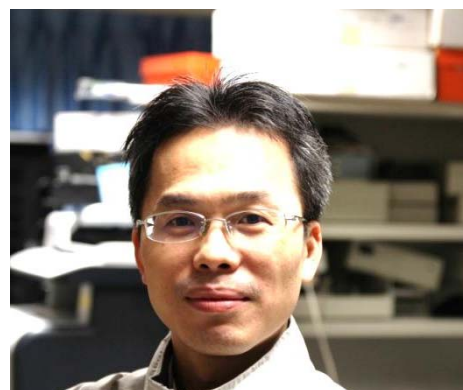
國立體育大學/運動科學研究所/運動營養領域

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學歷

畢業學校	國別	科系所或主要學門	學位	起訖年月
臺北醫學大學	中華民國	藥學系博士班	理學博士	2001/09 至 2005/06
臺北醫學大學	中華民國	保健營養學研究所	理學碩士	1999/09 至 2001/06
輔仁大學	中華民國	生活應用科學系	理學學士	1995/09 至 1999/06

現職與學術經歷

服務機關	服務部門	職稱	起訖年月
現職：			
國立體育大學	運動科學研究所	副教授	2013/08 - 迄今
國立體育大學	研發處	產學合作暨創新育成中心主任	2015/02 - 迄今
中華民國運動教練學會	運動教練科學學刊	執行編輯	2013/08 - 迄今
臺灣運動營養學會		監事	2013/09 - 迄今
臺灣內分泌及代謝學會		監事	2015/02 - 迄今
經歷：			
國立體育大學	研發處	產學合作暨創新育成中心主任	2012/08 至 2013/07
國立體育大學	教務處	招生組組長	2010/08 至 2012/07
國立體育大學	運動科學研究所	助理教授	2010/08 至 2013/07

台北醫學大學	保健營養學系	兼任助理教授	2010/08 至 2013/07
台北醫學大學	保健營養學系	國科會博士後研究員	2010/02 至 2010/07
中央研究院	農業生物科技研究中心	博士後研究學者	2006/01 至 2010/01

■ 過去所獲得的獎項或獎勵

獎項名稱	年月
行政院教育部體育署-103 年度運動科學研究及發展獎勵-佳作	2014/12
行政院教育部體育署-102 年度運動科學研究及發展獎勵-優等獎	2013/12
行政院科技部大專校院獎勵特殊優秀人才	2013/08-2016/07
行政院經濟部智慧財產局 103 年度國家發明創作獎-發明獎銀牌	2014/11
第五屆運動科技應用論文競賽-佳作	2015/11
第四屆運動科技應用論文競賽-佳作	2014/10
國立體育大學優良教師	2015/09
國立體育大學優良導師	2015/02
國立體育大學產學合作獎	2015/09
國立體育大學產學合作獎	2014/09
國立體育大學產學合作獎	2013/11
國立體育大學學術研究獎	2015/09
國立體育大學學術研究獎	2014/09
國立體育大學學術研究獎	2013/11
國立體育大學學術研究獎	2012/11
國立體育大學學術研究獎	2011/11

■ 研究專長

1. 運動醫學	2. 運動營養	3. 保健食品	4. 天然活性成分研發
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■ 國際期刊審查

自 2010 年開始，受邀擔任多份國際學術期刊的審閱委員 Peer Reviewer：

Journal of Medicinal Food; Journal of Metabolomics and Systems Biology; Journal of the Science of Food and Agriculture; International SportMed Journal; The FASEB Journal; Journal of Nutritional Biochemistry; International Journal of Molecular Sciences; BMC Complementary and Alternative Medicine; Chemistry Central Journal; Oxidative Medicine and Cellular Longevity; Translational Medicine: Current Research; Journal of Traditional and Complementary Medicine; Molecules; Analytical and Bioanalytical Chemistry; Journal of Pharmaceutical and Biomedical Analysis; Journal of Experimental and Integrative Medicine; Inflammation; Current Pharmaceutical Biotechnology; International Journal of Biochemistry Research & Review; Holzforschung; The Journal of Physiological Sciences; Nutrients; Plos One; Phytomedicine; Journal of Food Science.

■ 近五年研究成果敘述

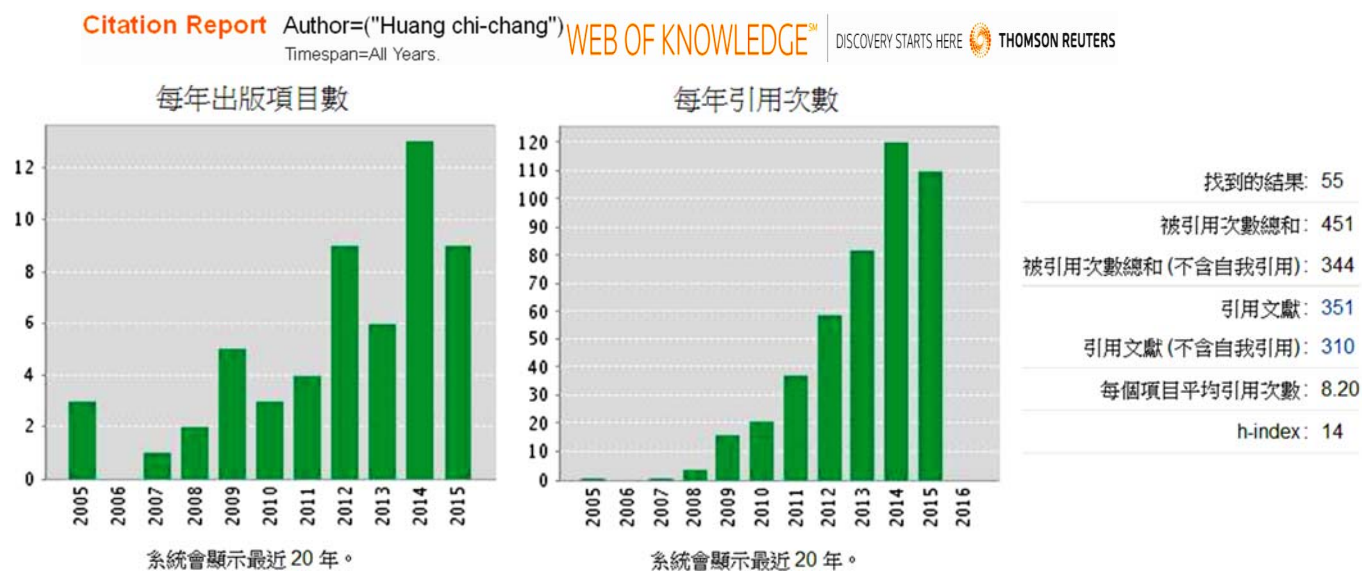
本實驗室主持人於 2010 年 8 月應聘至國立體育大學運動科學研究所，同時擔任運動營養領域實驗室 PI。五年來，在教學、研究、輔導、服務、產學以及學術社群等各方面皆積極參與，帶領碩、博士班研究生從事開發運動營養增補之基礎科研工作，或參與抗疲勞功效等健康食品之產業應用實務工作。期間以計畫主持人身份獲得 6 件(累計 11 年次)的科技部(原國科會)補助以及 32 件(累計超過 11 年次)業界關懷與產學合作計畫經費補助，故得以培育出 1 位博士、9 位學院在職班碩士與 22 位一般班碩士，以及支持 4 位攻讀博士學位之研究生。根據知名學術期刊統計分析資料庫 JCR Science Edition (2014)所收錄之期刊，申請人發表之 SCI 文章，總數為 66 篇，近五年(2012~迄今)則是發表 44 篇著作，整理如下表：

年代	總篇數	通訊作者	第一作者	共同第一	其他序位
2016	5	2	2	1	
2015	11	9			2
2014	13	4	5		4
2013	6	2	3		1
2012	9	3		1	5
2011	4		1	2	1
2010	3		2	1	

根據該資料庫(JCR)在最新 2014 年公告的期刊影響係數(Impact factor)與排名(Ranking)顯示，申請人歷年年有 19 篇文章發表於 Q1 等級期刊(該領域排序 0-25%)，其中 1 篇為高度受引用論文(Highly Cited Paper)，在 2012 年 1 篇題目為「南瓜萃取物抗疲勞功效評估」之文章，由國際間文章新評量機構「Altmetric」所提供的資料顯示，本篇文章的直接和具體影響力在國際期刊 *Molecules* 排名為第一位，而此篇文章亦獲選為行政院教育部體育署「102 年度運動科學研究及發展獎勵」優等獎作品。至於 2014 年刊登於 MSSE 雜誌的文章則是也有獲得體育署「103 年度運動科學研究及發展獎勵」佳作之獎勵。

依據 JCR Science Edition (2014)資料(由於不定期更新，部分近期刊登或接受之文

章，資料庫並不會即時更新，故各統計數量都會較實際值略少)，申請人過去發表 SCI 期刊文章之數量與引用量分佈情形，如下圖所示。歷年來所有發表 SCI 論文之被引用次數總計超過 451 次(僅計算 Web of Science 官方網站所計算之引用數量)，故申請人研究成果之質量具一定的水準。



延續過去學經歷之養成並配合目前教學科目與工作職位之任務，實驗室現在規劃的研究主題概分為兩大方向：運動暨營養生化領域以及開發天然物活性成分。具體研究成果如下：(因篇幅限制省略摘要內容)

I. 期刊論文：(JCR Science Edition 2014)

1. Chen YM, Wei L, Chiu YS, Hsu YJ, Tsai TY*, Wang MF*, and **Huang CC*** (2016) *Lactobacillus Plantarum* TWK10 Supplementation Improves Exercise Performance and Increases Muscle Mass in Mice. *Nutrients* 8(4), pii: E205. (Correspondence) (SCI) (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*)
2. Chen YM, Lin CL, Wei L, Hsu YJ, Chen KN, **Huang CC***, and Kao CH* (2016) Sake Protein Supplementation Affects Exercise Performance and Biochemical Profiles in Power-Exercise-Trained Mice. *Nutrients* 8(2), pii: E106. (Correspondence) (SCI) (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*)
3. **Huang CC**, Wang T, Tung YT, and Lin WT* (2016) Effect of Exercise Training on Skeletal Muscle SIRT1 and PGC-1 α Expression Levels in Rats of Different Age. *International Journal of Medical Sciences* 13(4): 260-270. (SCI) (IF=2.003; Ranking= 50/153 (32.7%) in *Medicine, General & Internal*)
4. **Huang CC**, Tung YT, Huang WC, Chen YM, Hsu YJ, and Hsu MC* (2016) Beneficial effects of Cocoa, coffee, green tea, and garcinia complex supplement on diet induced obesity in rats. *BMC Complementary and Alternative Medicine* 16(1): 100. (SCI) (IF=2.020; Ranking= 6/24 (25%) in *Integrative & Complementary Medicine*)
5. Huang WC, Lin CL, Hsu YJ, Chiu YS, Chen YM, Wu MF, **Huang CC**, and Wang MF* (2016) Inulin and Fibersol-2 Combined Have Hypolipidemic Effects on High Cholesterol Diet-Induced Hyperlipidemia in Hamsters. *Molecules* 21(3), pii: E313. (SCI) (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*)

6. Lin CI, Huang WC, Chen WC, Kan NW, Wei L, Chiu YS*, and **Huang CC*** (2015) Effect of whole-body vibration training on body composition, exercise performance and biochemical responses in middle-aged mice. *Metabolism-Clinical and Experimental* 64: 1146-1156. **(Correspondence) (SCI)** (IF=3.894; Ranking= 39/128 (30.5%) in *Endocrinology & Metabolism*)
7. Liao CC, Chiu YS, Chiu WC, Tung YT, Chuang HL, Wu JH*, and **Huang CC*** (2015) Proteomics Analysis to Identify and Characterize the Molecular Signatures of Hepatic Steatosis in Ovariectomized Rats as a Model of Postmenopausal Status. *Nutrients* 7: 8752-8766. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*)
8. Lee LC, Wei L, Huang WC, Hsu YJ, Chen YM*, and **Huang CC*** (2015) Hypolipidemic Effect of Tomato Juice in Hamsters in High Cholesterol Diet-Induced Hyperlipidemia. *Nutrients* 7: 10525-10537. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*)
9. Huang WC, Chiu WC, Chuang HL, Tang DW, Lee ZM, Wei L, Chen FA*, and **Huang CC*** (2015) Effect of curcumin supplementation on physiological fatigue and physical performance in mice. *Nutrients* 7: 905-921. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*; Times cited: 1)
10. Chen YM, Tsai YH, Tsai TY, Chiu YS, Wei L, Chen WC*, and **Huang CC*** (2015) Fucoidan supplementation improves exercise performance and exhibits anti-fatigue action in mice. *Nutrients* 7: 239-252. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*; Times cited: 2)
11. Hsu YJ, Chiu CC, Li YP, Huang WC, Huang YT, **Huang CC***, and Chuang HL* (2015) Effect of intestinal microbiota on exercise performance in mice. *Journal of Strength and Conditioning Research* 29: 552-558. **(Correspondence) (SCI)** (IF=2.075; Ranking= 23/81 (28.4%) in *Sport Sciences*; Times cited: 1)
12. Huang WC, Chen YM, Kan NW, Ho CS, Wei L, Chan CH, Huang HY*, and **Huang CC*** (2015) Hypolipidemic Effects and Safety of *Lactobacillus Reuteri* 263 in a Hamster Model of Hyperlipidemia. *Nutrients* 7: 3767-3782. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*)
13. Wang YH, Liu TT, Kung WM, Chen CC, Wen YT, Lin IC, **Huang CC***, and Wei L* (2015) Expression of aquaporins in intestine after heat stroke. *International Journal of Clinical and Experimental Pathology* 8: 8742-8753. **(Correspondence) (SCI)** (IF=1.891; Ranking= 40/76 (52.6%) in *Pathology*)
14. Tung YT, Lin LC, Liu YL, Ho ST, Lin CY, Chuang HL, Chiu CC, **Huang CC***, and Wu JH* (2015) Antioxidative phytochemicals from *Rhododendron oldhamii* Maxim. leaf extracts reduce serum uric acid levels in potassium oxonate-induced hyperuricemic mice. *BMC Complementary and Alternative Medicine* 15: 423. **(SCI)** (IF=2.020; Ranking= 6/24 (25%) in *Integrative & Complementary Medicine*)
15. Chang CW, Hsu YJ, Chen YM, Huang WC, **Huang CC**, and Hsu MC* (2015) Effects of combined extract of cocoa, coffee, green tea and garcinia on lipid profiles, glycaemic markers and inflammatory responses in hamsters. *BMC Complementary and Alternative Medicine* 15: 269. **(SCI)** (IF=2.020; Ranking= 6/24 (25%) in *Integrative & Complementary Medicine*)
16. Wen YT, Liu TT, Lin YF, Chen CC, Kung WM, **Huang CC**, Lin TJ, Wang YH*, and Wei L* (2015) Heatstroke Effect on Brain Heme Oxygenase-1 in Rat. *International Journal of Medical Sciences* 12: 737-741. **(SCI)** (IF=2.003; Ranking= 50/153 (32.7%) in *Medicine, General & Internal*)

17. Chen WC, Huang WC, Chiu CC, Chang YK, and **Huang CC*** (2014) Whey protein improves exercise performance and biochemical profiles in trained mice. *Medicine and Science in Sports and Exercise* 46: 1517-1524. **(Correspondence) (SCI)** (IF=3.983; Ranking = 6/81 (7.4%) in *Sport Sciences*; Times cited: 14)
18. Huang WC, Lin CI, Chiu CC, Lin YT, Huang WK, Huang HY*, and **Huang CC*** (2014) Chicken essence improves exercise performance and ameliorates physical fatigue. *Nutrients* 6: 2681-2696. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*; Times cited: 5)
19. Horng CT, Huang JK, Wang HY, **Huang CC***, and Chen FA* (2014) Antioxidant and antifatigue activities of *Polygonatum Alte-lobatum* Hayata rhizomes in rats. *Nutrients* 6: 5327-5337. **(Correspondence) (SCI)** (IF=3.270; Ranking= 21/77 (27.3%) in *Nutrition & Dietetics*; Times cited: 2)
20. **Huang CC***, Tseng TL, Huang WC, Chung YH, Chuang HL, and Wu JH* (2014) Whole-body vibration training effect on physical performance and obesity in mice. *International Journal of Medical Sciences* 11: 1218-1227. **(SCI)** (IF=2.003; Ranking= 50/153 (32.7%) in *Medicine, General & Internal*; Times cited: 2)
21. **Huang CC**, Huang WC, Hou CW, Chi YW, and Huang HY* (2014) Effect of black soybean koji extract on glucose utilization and adipocyte differentiation in 3T3-L1 cells. *International Journal of Molecular Sciences* 15: 8280-8292. **(SCI)** (IF=2.862; Ranking= 45/157 (28.7%) in *Chemistry, Multidisciplinary*; Times cited: 4)
22. **Huang CC**, Chen YM, Kan NW, Chao HL, Ho CS, and Hsu MC* (2014) *Cornu cervi pantotrichum* supplementation improves exercise performance and protects against physical fatigue in mice. *Molecules* 19: 4669-4680. **(SCI)** (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 1)
23. Yeh TS, Chuang HL, Huang WC, Chen YM, **Huang CC***, and Hsu MC* (2014) *Astragalus membranaceus* improves exercise performance and ameliorates exercise-induced fatigue in trained mice. *Molecules* 19: 2793-2807. **(Correspondence) (SCI)** (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 8)
24. **Huang CC**, Chen YM, Wang DC, Chiu CC, Lin WT, Huang CY, and Hsu MC* (2014) Cytoprotective effect of American ginseng in a rat ethanol gastric ulcer model. *Molecules* 19: 316-326. **(SCI)** (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 3)
25. **Huang CC**, Lo BS, Hsu FL, and Hou CC* (2014) Use of urinary metabolomics to evaluate the effect of hyperuricemia on the kidney. *Food and Chemical Toxicology* 74: 35-44. **(SCI)** (IF=2.895; Ranking= 14/123 (11.4%) in *Food Science & Technology*; Times cited: 1)
26. Yeh TS, **Huang CC**, Chuang HL, and Hsu MC* (2014) *Angelica sinensis* improves exercise performance and protects against physical fatigue in trained mice. *Molecules* 19: 3926-3939. **(SCI)** (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*)
27. Chang YK*, Tsai CL, **Huang CC**, Wang CC, and Chu IH (2014) Effects of acute resistance exercise on cognition in late middle-aged adults: General or specific cognitive improvement? *Journal of Science and Medicine in Sport* 17: 51-55. **(SCI)** (IF=3.194; Ranking= 7/81 (8.6%) in *Sport Sciences*; Times cited: 11)
28. Chen CY, **Huang CC**, Tsai KC, Huang WJ, Huang WC, Hsu YC, and Hsu FL* (2014) Evaluation of the antihyperuricemic activity of phytochemicals from *Davallia formosana* by enzyme assay and

- hyperuricemic mice model. *Evidence-Based Complementary and Alternative Medicine* 2014: 873670. (SCI) (IF=1.880; Ranking= 7/24 (29.2%) in *Integrative & Complementary Medicine*)
29. Huang HY*, Korivi M, Yang HT, **Huang CC**, Chaing YY, and Tsai YC (2014) Effect of *Pleurotus tuber-regium* polysaccharides supplementation on the progression of diabetes complications in obese-diabetic rats. *Chinese Journal of Physiology* 57: 198-208. (SCI) (IF=1.163; Ranking= 73/83 (88.0%) in *Physiology*; Times cited: 3)
 30. Kan NW, Huang WC, Lin WT, Huang CY, Wen KC, Chiang HM, **Huang CC***, and Hsu MC* (2013) Hepatoprotective effects of *Ixora parviflora* extract against exhaustive exercise-induced oxidative stress in mice. *Molecules* 18: 10721-10732. (Correspondence) (SCI) (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 6)
 31. **Huang CC**, Chiang WD, Huang WC, Huang CY, Hsu MC, and Lin WT* (2013) Hepatoprotective effects of swimming exercise against D-galactose-induced senescence rat model. *Evidence-Based Complementary and Alternative Medicine* 2013: 275431. (SCI) (IF=1.880; Ranking= 7/24 (29.2%) in *Integrative & Complementary Medicine*; Times cited: 2)
 32. Wu RE, Huang WC, Liao CC, Chang YK, Kan NW*, and **Huang CC*** (2013) Resveratrol protects against physical fatigue and improves exercise performance in mice. *Molecules* 18: 4689-4702. (Correspondence) (SCI) (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 23)
 33. **Huang CC**, Lin KJ, Cheng YW, Hsu CA, Yang SS, and Shyur LF* (2013) Hepatoprotective effect and mechanistic insights of deoxyelephantopin, a phyto-sesquiterpene lactone, against fulminant hepatitis. *Journal of Nutritional Biochemistry* 24: 516-530. (SCI) (IF=3.794; Ranking= 14/77 (18.2%) in *Nutrition & Dietetics*; Times cited: 6)
 34. **Huang CC**, Huang WC, Yang SC, Chan CC, and Lin WT* (2013) *Ganoderma tsugae* hepatoprotection against exhaustive exercise-induced liver injury in rats. *Molecules* 18: 1741-1754. (SCI) (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 5)
 35. Chou TW, Feng JH, **Huang CC**, Cheng YW, Chien SC, Wang SY* and Shyur LF* (2013) A plant kavalactone desmethoxyyangonin prevents inflammation and fulminant hepatitis in mice. *Plos One* 8(10): e77626. (SCI) (IF=3.234; Ranking= 8/56 (14.3%) in *Multidisciplinary Sciences*)
 36. **Huang CC***, Hsu MC, Huang WC, Yang HR, and Hou CC* (2012) Triterpenoid-rich extract from *Antrodia camphorata* improves physical fatigue and exercise performance in mice. *Evidence-Based Complementary and Alternative Medicine* 2012: 364741. (Correspondence) (SCI) (IF=1.880; Ranking= 7/24 (29.2%) in *Integrative & Complementary Medicine*; Times cited: 10)
 37. Wang SY, Huang WC, Liu CC, Wang MF, Ho CS, Huang WP, Hou CC, Chuang HL*, and **Huang CC*** (2012) Pumpkin (*Cucurbita moschata*) fruit extract improves physical fatigue and exercise performance in mice. *Molecules* 17: 11864-11876. (Correspondence) (SCI) (IF=2.416; Ranking= 21/57 (36.8%) in *Chemistry, Organic*; Times cited: 16)
 38. Chuang HL, Huang YT, Chi CC, Liao CD, Hsu FL, **Huang CC***, and Hou CC* (2012) Metabolomics characterization of energy metabolism reveals glycogen accumulation in gut-microbiota-lacking mice. *Journal of Nutritional Biochemistry* 23: 752-758. (Correspondence) (SCI) (IF=3.794; Ranking= 14/77 (18.2%) in *Nutrition & Dietetics*; Times cited: 8)
 39. Ho TJ, **Huang CC**, Huang CY, and Lin WT* (2012) Fasudil, a Rho-kinase inhibitor, protects against excessive endurance exercise training-induced cardiac hypertrophy, apoptosis and fibrosis in rats. *European Journal of Applied Physiology* 112: 2943-2955. (co-first author) (SCI) (IF=2.187;

Ranking= 21/81 (25.9%) in *Sport Sciences*; Times cited: 12)

40. Ho ST, Tung YT, **Huang CC**, Kuo CL, Lin CC, Yang SC, and Wu JH* (2012) The hypouricemic effect of *Balanophora laxiflora* extracts and derived phytochemicals in hyperuricemic mice. *Evidence-Based Complementary and Alternative Medicine* 2012: 910152. (SCI) (IF=1.880; Ranking= 7/24 (29.2%) in *Integrative & Complementary Medicine*; Times cited: 1)
41. Chang YK*, Ku PW, Tomporowski PD, Chen FT, and **Huang CC** (2012) Effects of acute resistance exercise on late-middle-age adults' goal planning. *Medicine and Science in Sports and Exercise* 44: 1773-1779. (SCI) (IF=3.983; Ranking = 6/81 (7.4%) in *Sport Sciences*; Times cited: 9)
42. Chang YK*, Pan CY, Chen FT, Tsai CL, and **Huang CC** (2012) Effect of resistance-exercise training on cognitive function in healthy older adults: a review. *Journal of Aging and Physical Activity* 20: 497-517. (SCI) (IF=1.966; Ranking= 27/81 (33.3%) in *Sport Sciences*; Times cited: 14)
43. Chien KY, **Huang CC**, Hsu KF, Kuo CH, and Hsu MC* (2012) Swim training reduces metformin levels in fructose-induced insulin resistant rats. *Journal of Pharmacy and Pharmaceutical Sciences* 15: 85-93. (SCI) (IF=1.856; Ranking= 156/254 (61.4%) in *Pharmacology & Pharmacy*; Times cited: 2)
44. Hung SW, Chiu CF, Chen TA, Chu CL, **Huang CC**, Shyur LF, Liang CM*, and Liang SM* (2012) Recombinant viral protein VP1 suppresses HER-2 expression and migration/metastasis of breast cancer. *Breast Cancer Research and Treatment* 136: 89-105. (SCI) (IF=3.940; Ranking= 62/211 (29.4%) in *Oncology*; Times cited: 1)
45. **Huang CC**, Tung YT, Cheng KC, and Wu JH* (2011) Phytochemicals from *Vitis kelungensis* stem prevent carbon tetrachloride-induced acute liver injury in mice. *Food Chemistry* 125: 726-731. (SCI) (IF=3.391; Ranking= 8/123 (6.5%) in *Food Science & Technology*; Times cited: 7)
46. Hou CC, **Huang CC**, and Shyur LF* (2011) Echinacea alkamides prevent lipopolysaccharide/D-galactosamine-induced acute hepatic injury through JNK pathway-mediated HO-1 expression. *Journal of Agricultural and Food Chemistry* 59: 11966-11974. (co-first author) (SCI) (IF=2.912; Ranking= 2/56 (3.6%) in *Agriculture, Multidisciplinary*; Times cited: 9)
47. Tung YT, **Huang CC**, Ho ST, Kuo YH, Lin CC, Lin CT, and Wu JH* (2011) Bioactive phytochemicals of leaf essential oils of *Cinnamomum osmophloeum* prevent lipopolysaccharide/D-galactosamine (LPS/D-GalN)-induced acute hepatitis in mice. *Journal of Agricultural and Food Chemistry* 59: 8117-8123. (co-first author) (SCI) (IF=2.912; Ranking= 2/56 (3.6%) in *Agriculture, Multidisciplinary*; Times cited: 11)
48. Shyur LF*, **Huang CC**, Hsu YY, Cheng YW, and Yang SD (2011) A sesquiterpenol extract potently suppresses inflammation in macrophages and mice skin and prevents chronic liver damage in mice through JNK-dependent HO-1 expression. *Phytochemistry* 72: 391-399. (SCI) (IF=2.547; Ranking= 53/200 (26.5%) in *Plant Sciences*; Times cited: 7)
49. Tung YT, Hsu CA, Chen CS, Yang SC, **Huang CC**, and Chang ST* (2010) Phytochemicals from *Acacia confusa* heartwood extracts reduce serum uric acid levels in oxonate-induced mice: their potential use as xanthine oxidase inhibitors. *Journal of Agricultural and Food Chemistry* 58: 9936-9941. (co-first author) (SCI) (IF=2.912; Ranking= 2/56 (3.6%) in *Agriculture, Multidisciplinary*; Times cited: 15)
50. **Huang CC**, Lo CP, Chiu CY, and Shyur LF* (2010) Deoxyelephantopin, a novel multifunctional agent suppresses mammary tumor growth and lung metastasis and doubles survival time in mice. *British Journal of Pharmacology* 159: 856-871. (SCI) (IF=4.842; Ranking= 24/254 (9.4%) in

Pharmacology & Pharmacy; Times cited: 32)

51. **Huang CC**, Lin WT, Hsu FL, Tsai PW, and Hou CC* (2010) Metabolomics investigation of exercise-modulated changes in metabolism in rat liver after exhaustive and endurance exercises. *European Journal of Applied Physiology* 108: 557-566. (SCI) (IF=2.187; Ranking= 21/81 (25.9%) in *Sport Sciences*; Times cited: 26)
52. **Huang CC**, Lin TJ, Chen CC, and Lin WT* (2009) Endurance training accelerates exhaustive exercise-induced mitochondrial DNA deletion and apoptosis of left ventricle myocardium in rats. *European Journal of Applied Physiology* 107: 697-706. (SCI) (IF=2.187; Ranking= 21/81 (25.9%) in *Sport Sciences*; Times cited: 23)
53. **Huang CC**, Lin TJ, Lu YF, Chen CC, Huang CY*, and Lin WT* (2009) Protective effects of L-arginine supplementation against exhaustive exercise-induced oxidative stress in young rat tissues. *Chinese Journal of Physiology* 52: 306-315. (SCI) (IF=1.163; Ranking= 73/83 (88.0%) in *Physiology*; Times cited: 29)
54. Lin WT, **Huang CC**, Lin TJ, Chen JR, Shieh MJ, Yang SC*, and Huang CY* (2009) Effects of beta-carotene on antioxidant status in rats with chronic alcohol consumption. *Cell Biochemistry and Function* 27: 344-350. (co-first author) (SCI) (IF=2.005; Ranking= 205/289 (70.9%) in *Biochemistry & Molecular Biology*; Times cited: 12)
55. Tung YT, Wu JH, **Huang CC**, Peng HC, Chen YL, Yang SC*, and Chang ST* (2009) Protective effect of *Acacia confusa* bark extract and its active compound gallic acid against carbon tetrachloride-induced chronic liver injury in rats. *Food and Chemical Toxicology* 47: 1385-1392. (SCI) (IF=2.895; Ranking= 14/123 (11.4%) in *Food Science & Technology*; Times cited: 33)
56. Chang CY, Chen YL, Yang SC, Huang GC, Tsi D, **Huang CC**, Chen JR*, and Li JS (2009) Effect of schisandrin B and sesamin mixture on CCl₄-induced hepatic oxidative stress in rats. *Phytotherapy Research* 23: 251-256. (SCI) (IF=2.660; Ranking= 105/254 (41.3%) in *Pharmacology & Pharmacy*; Times cited: 16)
57. **Huang CC**, Tsai SC, and Lin WT* (2008) Potential ergogenic effects of L-arginine against oxidative and inflammatory stress induced by acute exercise in aging rats. *Experimental Gerontology* 43: 571-577. (SCI) (IF=3.485; Ranking= 12/50 (24.0%) in *Geriatrics & Gerontology*; Times cited: 31)
58. Shyur LF*, **Huang CC**, Lo CP, Chiu CY, Chen YP, Wang SY, and Chang ST (2008) Hepatoprotective phytochemicals from *Cryptomeria japonica* are potent modulators of inflammatory mediators. *Phytochemistry* 69: 1348-1358. (co-first author) (SCI) (IF=2.547; Ranking= 53/200 (26.5%) in *Plant Sciences*; Times cited: 22)
59. Hou CC, Chen YP, Wu JH, **Huang CC**, Wang SY, Yang NS, and Shyur LF* (2007) A galactolipid possesses novel cancer chemopreventive effects by suppressing inflammatory mediators and mouse B16 melanoma. *Cancer Research* 67: 6907-6015. (co-third author) (SCI) (IF=9.329; Ranking= 11/211 (5.2%) in *Oncology*; Times cited: 19)
60. Lin WT, Yang SC, Tsai SC, **Huang CC**, and Lee NY* (2006) L-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise. *British Journal of Nutrition* 95: 67-75. (SCI) (IF=3.453; Ranking= 18/77 (23.4%) in *Nutrition & Dietetics*; Times cited: 22)
61. **Huang CC***, Chen JR, Shieh MJ, and Yang SC* (2005) Effects of long-term ethanol consumption on jejunal lipase and disaccharidase activities in male and female rats. *World Journal of Gastroenterology* 11: 2603-2608. (SCI) (IF=2.369; Ranking= 41/76 (53.9%) in *Gastroenterology &*

Hepatology; Times cited: 7)

62. Liu CC, **Huang CC**, Lin WT, Hsieh CC, Huang SY, Lin SJ, and Yang SC* (2005) Lycopene supplementation attenuated xanthine oxidase and myeloperoxidase activities in skeletal muscle tissues of rats after exhaustive exercise. *British Journal of Nutrition* 94: 595-601. (SCI) (IF=3.453; Ranking= 18/77 (23.4%) in *Nutrition & Dietetics*; Times cited: 24)
63. Lin WT, Yang SC, Chen KT, **Huang CC**, and Lee NY* (2005) Protective effects of *L*-arginine on pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats. *Acta Pharmacologica Sinica* 268: 992-999. (SCI) (IF=2.496; Ranking= 49/148 (33.1%) in *Chemistry, Multidisciplinary*; Times cited: 23)
64. Yang SS, **Huang CC**, Chen JR, Chiu CL, Shieh MJ, Lin SJ, and Yang SC* (2005) Effects of ethanol on antioxidant capacity in isolated rat hepatocytes. *World Journal of Gastroenterology* 11: 7272-7276. (co-first author) (SCI) (IF=2.369; Ranking= 41/76 (53.9%) in *Gastroenterology & Hepatology*; Times cited: 10)
65. Yang SC, Chiu CL, **Huang CC**, and Chen JR* (2005) Apoptosis induced by nucleosides in the human hepatoma HepG2. *World Journal of Gastroenterology* 11: 6381-6384. (SCI) (IF=2.369; Ranking= 41/76 (53.9%) in *Gastroenterology & Hepatology*; Times cited: 2)
66. Yang SC, **Huang CC**, Chu JS, and Chen JR* (2004) Effects of beta-carotene on cell viability and antioxidant status of hepatocytes from chronically ethanol-fed rats. *British Journal of Nutrition* 92: 209-215. (SCI) (IF=3.453; Ranking= 18/77 (23.4%) in *Nutrition & Dietetics*; Times cited: 11)
67. Lin YA, Khamoui AV, Liao CC, **Huang CC***, and Hsu MC* (2015) Improvement of Exercise Performance and Attenuation of a Marker of Muscle Damage by *Epimedium Brevicornum* Supplementation in Mice. *Adaptive Medicine* 7(2): 97-105. (Non-SCI)
68. Huang WC, Tang DW, Jeng SC, Ho CS*, and **Huang CC*** (2014) Adaptive Effect of *Anoectochilus Formosanus* Supplementation on Physical Fatigue and Exercise Performance in Mice. *Adaptive Medicine* 6(3): 110-117. (Non-SCI)
69. Chuang HL, Huang YT, Hou CC*, and **Huang CC*** (2012) Application of metabolomics approaches to study energy metabolism and reveals the hepatic glycogen accumulation in germ-free mice. *Microbial Ecology in Health & Disease* 23: 17462.
70. Hsu YJ, Chuang HL, Huang YT, Hsu CY, and **Huang CC*** (2014) The roles of gut microbiota in nutritional biochemistry and metabolic disorders of host. *Journal of Chang Gung University of Science and Technology* (Accepted) [Chinese article] 徐藝洳、莊曉莉、黃彥智、許青雲、**黃啟彰*** (2014) 腸道菌叢於宿主營養生化與代謝性疾病之作用。長庚科技學刊。(接受)
71. Lo YC, Chen YM, Wang KH, and **Huang CC*** (2015) An Investigation of a sport nutrition supplement- whey protein and its multibiological functions. *Sports Coaching Science* 37: 105-121. [Chinese article] 羅英琪、陳奕鳴、王國慧、**黃啟彰*** (2015) 運動營養補充品乳清蛋白之多樣生物活性探討。運動教練科學。37: 105-121。
72. Su WL, Huang WC, Chen IN, Chen WC, **Huang CC**, Huang CH* (2015) Investigation of whole-body vibration training on physiological and biochemical characteristics in mice. *Sports Coaching Science* 48: 33-44. [Chinese article] 蘇韋霖、黃文經、陳易男、陳文銓、**黃啟彰**、黃啟煌* (2015) 以小鼠模式探討全身振動訓練對於生理生化表現以及運動疲勞之影響。體育學報 (TSSCI)。48: 33-44。
73. Chen PY and **Huang CC*** (2015) Effects of resveratrol on skeletal muscle energy metabolism and

- physical performance. *Journal of Chang Gung University of Science and Technology* 23: 131-142. [Chinese article] 陳婉妤、黃啟彰* (2015) 白藜蘆醇對骨骼肌能量代謝及體能表現之影響。長庚科技學刊。23: 131-142。
74. Tsai YJ, Chen YM, and Huang CC* (2015) Nutritional Characteristics and Biological Functions of Sake Lees Hydrolysate. *Journal of Chang Gung University of Science and Technology* 23: 125-130. [Chinese article] 蔡依娟、陳奕鳴、黃啟彰* (2015) 酒粕水解產物之營養特點與生物活性。長庚科技學刊。23: 125-130。
75. Chang KW, Hsu CY, Lin WT*, and Huang CC* (2014) The role of SIRT1/PGC-1 α axis in the exercise-regulated biological functions of skeletal muscle. *Journal of Chang Gung University of Science and Technology* 21: 129-138. [Chinese article] 張凱雯、許青雲、林万登*、黃啟彰* (2014) SIRT1/PGC-1 α 分子路徑對於運動調控骨骼肌功能所扮演之角色。長庚科技學刊。21: 129-138。
76. Huang WP, Hsu CY, and Huang CC* (2014) Investigation of a World-Renowned Food Material, Pumpkin, as an Ergogenic Aid. *Journal of Chang Gung University of Science and Technology* 21: 123-128. [Chinese article] 黃紋佩、許青雲*、黃啟彰* (2014) 世界知名食材南瓜作為運動增補劑來源之探討。長庚科技學刊。21: 123-128。
77. Lin CH, and Huang CC* (2013) The Impact of Exercise on Cellular Senescence. *Zhong Hua Ti Yu* 27: 53-60. [Chinese article] 林勁宏、黃啟彰* (2013) 運動對細胞老化的影響。中華體育季刊。27: 53-60。
78. Li YP, Huang CC, Hsu CY*, Chuang HL* (2013) Investigating the beneficial effects of exercise intervention on non-alcoholic fatty liver disease. *Journal of Chang Gung University of Science and Technology* 19: 127-135. [Chinese article] 李彥鵬、黃啟彰、許青雲*、莊曉莉* (2013) 運動對於改善非酒精性脂肪肝之探討。長庚科技學刊。19: 127-135。
79. Tang JC, Hsu MC*, and Huang CC* (2012) The application of metabonomics in sports science. *Journal of Chang Gung University of Science and Technology* 16: 31-37. [Chinese article] 湯柔琦、許美智*、黃啟彰* (2012) 代謝體學於運動科學之應用。長庚科技學刊。16: 31-37。
80. Lin TJ, Huang CC, Wang IJ, Lin JW, Hung KS, Ling F, Tsao HH, Yang NS, and Lin KJ* (2010) Validation of an animal FDG PET imaging system for study of human glioblastoma xenograft in mouse and rat glioma models. *Annals of Nuclear Medicine and Sciences* 23: 77-83.
81. Shyur LF* and Huang CC (2010) Health functions of popular medicinal plants of *Asteraceae*. *Science Development*. 446: 22-27. 徐麗芬、黃啟彰 (2010) 常見菊科藥草的保健功能。科學發展446: 22-27。
82. Shyur LF* and Huang CC (2007) Evidence-based Research and Development of Medicinal Plant Resources in Taiwan for Anti-inflammation and Cancer Chemoprevention. *Academia Sinica E-news* No. 48. 徐麗芬、黃啟彰 (2007) 開發藥用植物資源於癌症化學預防之應用。中央研究院週報第1152期。
83. 徐麗芬、黃啟彰 (2008) 開發藥用植物資源於癌症化學預防之應用。生技研發成果產業化季刊13: 26-30。
84. Huang CC, Yang SC*, and Hsu CY (2004) The role of PPAR- γ in hepatic stellate cells activation. *Journal of Chang Gung Institute of Technology* 3: 1-8. [Chinese article] 黃啟彰、楊素卿*、許青雲 (2004) PPAR- γ 在肝臟星狀細胞活化。長庚科技學刊。3: 1-8。

85. **Huang CC**, Chen JR, Haung TI, Shieh MJ, Chu JS, and Yang SC* (2002) Beta-carotene prevents hepatic lipid accumulation in rats under chronic alcohol consumption. *Nutritional Sciences Journal* 27: 129-138. [Chinese article] **黃啟彰**、陳俊榮、黃娣儀、謝明哲、朱娟秀、楊素卿* (2002) β-胡蘿蔔素抑制長期攝食酒精之大白鼠肝臟脂肪堆積。臺灣營養學會雜誌。27: 129-138。
86. Yang SC, Huang TI, **Huang CC**, Shieh MJ, Chiu WC, Cheng CJ, and Chen JR* (2001) The effects of *chlorella* on lipid metabolism in rats fed with high fat and high cholesterol diet. *Nutritional Sciences Journal* 26: 22-31. [Chinese article] 楊素卿、黃娣儀、**黃啟彰**、謝明哲、邱琬淳、鄭建睿、陳俊榮* (2001) 綠藻對於餵食高油脂高膽固醇飼料之大白鼠脂質代謝的影響。臺灣營養學會雜誌。26: 22-31。

II. 專利：

1. Shyur LF*, Hou CC, Wu JH, Chen YP, Wang SY, **Huang CC**, and Yang NS (2009) Cancer and inflammatory disorder treatment. (US patent No.: US 7,547,455 B2) (* principal inventor)
2. 徐麗芬*、侯珈禎、吳志鴻、陳奕平、王升陽、**黃啟彰**、楊寧蓀(2011)具抗癌及抗發炎活性之萃取物及半乳糖脂之組合物。中華民國專利 I 347192。(103年度國家發明創作獎-發明獎銀牌)

III. 專書與碩、博士論文以及其他著作：

1. 許青雲、賴明宏、趙哲毅、賴慶隆、王彥懿、**黃啟彰**、蕭千祐、蕭文。營養與代謝。出版社：五南。出版日期：2007年11月08日。(ISBN：9789571149462)。
2. **黃啟彰**。以Lieber-DeCarli之動物模式探討慢性酒精毒性對於抗氧化狀態及肝臟形態變化之影響。博士論文。2005年。
3. **黃啟彰**。β-胡蘿蔔素對於大白鼠酒精性肝臟疾病之影響。碩士論文。2001年。

IV. 研究經費來源：

一、科技部計畫 (<http://arsp.most.gov.tw/NSCWebFront/modules/talentSearch/talentSearch.do>)

年度	補助類別	學門分類	計畫名稱	擔任工作	核定經費 (新台幣)
104	專題研究計畫 (優秀年輕學者研究計畫)	運動生理學	應用運動體學解析天生高低有氧耐力運動表現特有之分子圖譜及其生物意義 (MOST-104-2628-H-179-001-MY3)	計畫主持人	3,976,000
104	專題研究計畫 (延攬博士後研究人才)	保健營養	腸道菌相對於調控宿主能量代謝以及運動表現所扮演之角色 (MOST-104-2811-B-179-001)	計畫主持人	994,736
102	專題研究計畫 (優秀年輕學者研究計畫)	運動生理學	結合微型核糖核酸及蛋白質體學策略探討單次力竭與長期耐力運動訓練模式特有之分子圖譜及其生物意義 (NSC-102-2628-H179-001-MY2)	計畫主持人	1,844,000
102	專題研究計畫 (優秀年輕學者研究計畫)	保健營養	腸道菌相對於調控宿主能量代謝以及運動表現所扮演之角色 (NSC-102-2628-B179-001-MY3)	計畫主持人	3,848,000
101	專題研究計畫 (一般型研究計畫)	保健營養	應用蛋白質體策略探討腸道菌相調控體內能量代謝路徑之作用與其生物標誌印記以及腸道菌相作為提升運動表現一項可行的能量來源 (NSC-101-2320-B179-001)	計畫主持人	900,000
100	專題研究計畫 (新進人員研究計畫)	運動生理學	中高齡者衰弱症之篩檢與介入成效評估—以運動與營養介入為策略--代謝體學於中高齡衰弱症及營養介入研究中之應用 (NSC-100-2410-H179-012)	計畫主持人	469,000
105	專題研究計畫 (產學技術聯盟合作計畫)	運動生理學	運動與生技產品產學技術聯盟(2/2) (MOST-105-2622-8-037-001-TS1)	共同主持人	2,000,000
104	專題研究計畫 (產學技術聯盟合作計畫)	運動生理學	運動與生技產品產學技術聯盟(1/2) (MOST-104-2622-H-037-001)	共同主持人	2,000,000
104	專題研究計畫 (一般型研究計畫)	運動生理學	補充中藥補血劑對紅血球生成與運動表現的影響 (MOST-104-2410-H-037-004-MY2)	共同主持人	2,375,000
104	專題研究計畫 (一般型研究計畫)	運動生理學	應用代謝體學策略探討優秀短跑與長跑運動員代謝組成圖譜之差異與白藜蘆醇對運動性氧化壓力之保護效果 (III) (MOST-104-2410-H-182-015)	共同主持人	1,266,000
104	專題研究計畫 (新進人員研究計畫)	生理	酪胺酸磷酸化經由心臟起搏受器及 L 型鈣離子通道影響心率失常之研究 (MOST-104-2320-B-034-003)	共同主持人	747,000
103	專題研究計畫 (產學技術聯盟合作計畫)	運動生理學	運動生理及生化功能性評估之核心技術於產業之應用 (NSC103-2622-H-037-001)	共同主持人	1,841,000
103	專題研究計畫 (產學合作研究計畫-應用型)	運動生理學	牛蒡活力飲之品質管制與抗疲勞功效評估 (MOST-103-2622-H-127-001-CC3)	共同主持人	648,000
103	專題研究計畫 (一般型研究計畫)	運動生理學	應用代謝體學策略探討優秀短跑與長跑運動員代謝組成圖譜之差異與白藜蘆醇對運動性氧化壓力之保護效果 (II-III) (MOST-103-2410-H-182-020)	共同主持人	1,036,000
101	專題研究計畫 (一般型研究計畫)	運動生理學	補充中藥補陽劑對運動員之荷爾蒙及運動表現的影響 (NSC-101-2410-H179-001-MY3)	共同主持人	3,489,000