

## 中文履歷

**黃 啟 彰 博士**

**特聘教授兼研發長**

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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
<b>現職：</b>			
國立體育大學	研究發展處	研發長	2018/08 – 迄今
國立體育大學		特聘教授	2020/08 至 2023/07
國立體育大學	運動科學研究所	教授 (教育部教字第 141797)	2016/08 – 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
<b>經歷：</b>			
國立體育大學	運動科學研究所	所長	2016/08 至 2018/07
國立體育大學	運動科學研究所	副教授	2013/08 至 2016/07
中華民國運動教練學會	運動教練科學學刊	執行編輯	2013/08 至 2018/07
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 2018/07
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
行政院科技部大專校院獎勵特殊優秀人才	2013/08-2021/07
國立體育大學產學合作獎	2013-2019
國立體育大學學術研究獎	2011-2019
行政院科技部未來科技展-科技突破獎	2018/12
行政院教育部體育署-109 年度運動科學研究及發展獎勵-優等獎	2020/09
行政院教育部體育署-108 年度運動科學研究及發展獎勵-甲等獎	2019/12
行政院教育部體育署-106 年度運動科學研究及發展獎勵-甲等獎	2017/12
行政院教育部體育署-105 年度運動科學研究及發展獎勵-優等獎	2016/12
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

## ■ 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.*

## ■ 人才培育

實驗室主持人在 2010 年 8 月首次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主持人(PI)。10 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，帶領博士後研究人員執行科技部專題研究計畫，並指導碩、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。

截至目前為止曾指導 2 位年輕研究學者以及超過 95 位碩博士班研究生，詳細情形如下所示：

博士後研究員 2 名	指導 博士生	畢業人數：10 名	指導碩士生 (含一般與在職專班)	畢業人數：85 名
		在學人數：4 名		在學人數：6 名

(資料可查詢自博碩士論文系統)

其中本研究室所培育之博士級科研人才，皆具有就業競爭力，符合各界高標準，而能順利應聘至國內外知名大學院校任教，名單如下：

1. 國立體育大學運動科學研究所碩士班、博士班、科技部博士後研究員：徐藝洳 博士，2019/02 應聘至國立體育大學運動科學研究所，擔任專任助理教授。
2. 科技部博士後研究員：童鈺棠 博士，2017/08 應聘至臺北醫學大學代謝與肥胖科學研究所，擔任專任助理教授。
3. 國立體育大學運動科學研究所博士班：陳奕鳴 博士，2017/09 應聘至中國吉林體育學院運動健康技術學院，擔任副教授。
4. 國立體育大學競技與教練研究所博士班：黃文經 博士，2017/02 應聘至國立臺北護理健康大學運動保健系，擔任專任助理教授。

故申請人在科研部分，具有指導已獲得博士學位之優秀年輕學者從事獨立研究工作。且在教學崗位工作上，對於培育運動科研領域的研究生，也是具有實質的貢獻度。

## ■ 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。多年來，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 10 件(累計 17 年次，總經費超過 1800 萬元)的科技部(原國科會)補助以及 80 件(累計超過 44.5 年次，總經費超過 3100 萬元，其中以 2017-2018 年合計達 1500 萬元)業界關懷與產學合作計畫經費補助，故得以培育出 2 位博士後、10 位博士、19 位學院在職班碩士與 76 位一般班碩士，並繼續支持 4 位攻讀博士學位研究生與 6 位碩士班學生。

根據知名學術期刊統計分析資料庫 JCR Science Edition (2019)所收錄之期刊，本人發表之 SCI 文章，總數為 120 篇。若依照這 120 篇文章於 SCI 期刊當年(2019)公布的影響因子高低，作四個區

等分：Q1 (前 25%)、Q2 (25~50%)、Q3 (50~75%)、Q4 (75~100%)，則 Q1 佔 56 篇、Q2 佔 43 篇、Q3 佔 14 篇、Q4 佔 8 篇。**近五年(2015~2020)**則是發表 74 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
2020	12	5			7
2019	20	8			12
2018	11	10			1
2017	11	7		1	3
2016	10	5	2	1	2
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 2019 年公告的期刊影響係數(Impact factor)與排名(Ranking)顯示，本人歷年來有 27 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。在 2014 年刊登於 *MSSE* 雜誌的文章則是有獲得體育署「103 年度運動科學研究及發展獎勵」佳作之獎勵。2016 年於 *Nutrients* 雜誌報導力量訓練合併酒粕蛋白增補的文章則是獲得體育署「105 年度運動科學研究及發展獎勵」優等獎之作品。2016 年 9 月更是完成學校創校以來首件**專屬授權**，總金額為**新台幣 100 萬元**，被授權單位：**生合生物科技股份有限公司**，此案為科技部計畫，故將提撥總授權金 20% (即**新台幣 20 萬元**)挹注「行政院國家科學技術發展基金」。最近 2017 年於 *International Journal of Medical Sciences* 雜誌發表徑賽運動選手補充乳清蛋白改善馬拉松運動誘發之傷害與提升運動表現之影響的文章則是獲得體育署「106 年度運動科學研究及發展獎勵」甲等獎之作品。

依據 JCR Science Edition (2018)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)，本人過去發表 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 **1,680** 次(僅計算 Web of Science 官方網站所計算之引用數量)，故本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 2019) [Q1:57 篇；Q2:45 篇；Q3:14 篇；Q4:8 篇]

1. LHsu YJ, Wang CY, Lee MC, **Huang CC\*** (2020) Hepatoprotection by Traditional Essence of Ginseng against Carbon Tetrachloride-Induced Liver Damage. *Nutrients* 12(10), 3214. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 4/4]
2. Lin CL, Hsu YJ, Ho HH, Chang YC, Kuo YW, Yeh Y, Tsai SY, Chen CW, Chen JF, **Huang CC\***, Lee MC\* (2020) *Bifidobacterium longum subsp. longum* OLP-01 Supplementation during Endurance Running Training Improves Exercise Performance in Middle- and Long-Distance Runners: A Double-Blind Controlled Trial. *Nutrients* 12(7), 1972. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 5/11]
3. Lee MC, Hsu YJ, Chuang HL, Ho HH, Hsieh SH, Kuo YW, Sung HC\*, **Huang CC\*** (2020) *Lactobacillus salivarius* Subspecies salicinius SA-03 is a New Probiotic Capable of Enhancing Exercise Performance and Decreasing Fatigue. *Microorganisms* 8(4), 545. **(Correspondence) (SCI)** (IF=4.152; Ranking=37/135 (27.4%, Q2) in *Microbiology*)
4. Chang CH, Hsu YJ, Li F, Tu YT, Jhang WL, Hsu CW, **Huang CC\***, Ho CS\* (2020) Reliability and validity of the physical activity monitor for assessing energy expenditures in sedentary, regularly exercising, non-endurance athlete, and endurance athlete adults. *PeerJ* 8: e9717. **(Correspondence) (SCI)** (IF=2.379; Ranking=32/71 (45.1%, Q2) in *Multidisciplinary Sciences*) [Authorships: Lab members are accounting for 3/8]
5. Hsu YJ, Lee MC, **Huang CC\***, HO CS\* (2020) The effects of different types of aquatic exercise training interventions on a high-fructose diet-fed mice. *International Journal of Medical Sciences (Accepted) (Correspondence) (SCI)* (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*)
6. Hsu YJ, Jhang WL, Lee MC, Bat-Otgon B, Narantungalag E, **Huang CC\*** (2020) Lactose-riched Mongolian mare's milk improves physical fatigue and exercise performance in mice. *International Journal of Medical Sciences (Accepted) (Correspondence) (SCI)* (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*)
7. Huang WC, Hsu YJ, **Huang CC**, Liu HC, Lee MC\* (2020) Exercise Training Combined with *Bifidobacterium longum* OLP-01 Supplementation Improves Exercise Physiological Adaption and Performance. *Nutrients* 12(4): 1145. **(SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [MOST-108-2410-H-227-007 to Wen-Ching Huang] [Authorships: Lab members are accounting for 5/5]
8. Hsu YJ, Ho CS, Lee MC, Ho CS, **Huang CC**, Kan NW\*. (2020) Protective Effects of Resveratrol Supplementation on Contusion Induced Muscle Injury. *International Journal of Medical Sciences* 17(1), 53-62. **(SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*)
9. Chen YH, Wang YC, Chiu CC, Lee YP, Hung SW, **Huang CC**, Chiu CF, Chen TH, Huang WC, Chuang HL\* (2020) Housing condition-associated changes in gut microbiota further affect the host response to diet-induced nonalcoholic fatty liver. *Journal of Nutritional Biochemistry* 79: 108362. **(SCI)** (IF=4.873; Ranking=15/89 (16.9%, Q1) in *Nutrition & Dietetics*)

10. Chen YM, Liao CC, Huang YC, Chen MY, **Huang CC**, Chen WC, Chiu YS\* (2020) Proteome and microbiota analysis highlight *Lactobacillus plantarum* TWK10 supplementation improves energy metabolism and exercise performance in mice. **Food Science & Nutrition** 8(7): 3525-3534. (SCI) (IF=1.747; Ranking=67/135 (49.6%, Q2) in *Food Science & Technology*) [MOST-102-2628-B179-001-MY3 and MOST-106-2410-H-227-007 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/7]
11. Chen YM, Li H, Chiu YS, **Huang CC**, Chen WC\* (2020) Supplementation of L-Arginine, L-Glutamine, Vitamin C, Vitamin E, Folic Acid, and Green Tea Extract Enhances Serum Nitric Oxide Content and Antifatigue Activity in Mice. **Evidence-Based Complementary and Alternative Medicine** 2020: 8312647. (SCI) (IF=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*) [Authorships: Lab members are accounting for 4/5]
12. Ho CS\*, Chang CH, Hsu YJ, Tu YT, Li F, Jhang WL, Hsu CW, **Huang CC** (2020) Feasibility of the Energy Expenditure Prediction for Athletes and Non-Athletes from Ankle-Mounted Accelerometer and Heart Rate Monitor. **Scientific Reports** 10(1): 8816. (SCI) (IF=3.998; Ranking=17/71 (23.9%, Q1) in *Multidisciplinary Sciences*) [MOST-107-2410-H-179-007 to Chin-Shan Ho]
13. Huang SW, Wang JY, Lin CL, **Huang CC**, Liou TH, Lin HW\* (2020) Patients with Axial Spondyloarthritis Are at Risk of Developing Adhesive Capsulitis: Real-World Evidence Database Study in Taiwan. **Journal of Clinical Medicine** 9(3): 787. (SCI) (IF=3.303; Ranking=36/165 (21.8%, Q1) in *Medicine, General & Internal*) [Authorships: Lab members are accounting for 3/6]
14. Huang WC, Lee MC, Lee CC, Ng KS, Hsu YJ, Tsai TY, Young SL, Lin JS\*, **Huang CC**\* (2019) Effect of *Lactobacillus plantarum* TWK10 on Exercise Physiological Adaptation, Performance, and Body Composition in Healthy Humans. **Nutrients** 11(11), 2836. (Correspondence) (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [行政院教育部體育署-109年度運動科學研究及發展獎勵-優等獎] [Authorships: Lab members are accounting for 4/9]
15. Wei L, Wen YT, Lee MC, Ho HM, **Huang CC**\*, Hsu YJ\* (2019) Effects of isolated soy protein and strength exercise training on exercise performance and biochemical profile in postpartum mice. **Metabolism-Clinical and Experimental** 94: 18-27. (Correspondence) (SCI) (IF=6.159; Ranking=17/143 (11.9%, Q1) in *Endocrinology & Metabolism*) [MOST-107-2410-H-179-006-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 4/6]
16. Huang WC, Wei CC, **Huang CC**, Chen WL, Huang HY\* (2019) The Beneficial Effects of *Lactobacillus plantarum* PS128 on High-Intensity, Exercise-Induced Oxidative Stress, Inflammation, and Performance in Triathletes. **Nutrients** 11(2), 353. (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [行政院教育部體育署-108年度運動科學研究及發展獎勵-甲等獎] [MOST-105-2410-H-158-008-MY3] [Authorships: Lab members are accounting for 2/5]
17. Chang CK, Lin KC, Ho CS\*, **Huang CC** (2019) Accuracy of the energy expenditure during uphill exercise measured by the Waist-worn ActiGraph. **Journal of Exercise Science & Fitness** 17(2): 62-66. (SCI) (IF=1.263; Ranking=72/85 (84.7%, Q4) in *Sport Sciences*) [Authorships: Lab members are accounting for 3/4]
18. Huang SW, Lin CL, Lin LF, **Huang CC**, Liou TH, Lin HW\* (2019) Autoimmune Connective Tissue Diseases and the Risk of Rotator Cuff Repair Surgery: A Population-Based Retrospective Cohort Study. **BMJ Open** 9(2): e023848. (SCI) (IF=2.496; Ranking=52/165 (31.5%, Q2) in *Medicine, General & Internal*) [Authorships: Lab members are accounting for 2/6]



19. Tai PA, Hsu YJ, Huang WC, Chang CH, Chen YH, **Huang CC\***, Wei L\* (2019) Congenital exercise ability ameliorates muscle atrophy but not spinal cord recovery in spinal cord injury mouse model. *International Journal of Medical Sciences* 16(12): 1549-1556. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*)
20. Ho CS\*, Chang CH, Lin KC, **Huang CC**, Hsu YJ (2019) Correction of estimation bias of predictive equations of energy expenditure based on wrist/waist-mounted accelerometers. *PeerJ* 7: e7973. (IF=2.379; Ranking=32/71 (45.1%, Q2) in *Multidisciplinary Sciences*)
21. Chen HC, **Huang CC**, Lin TJ, Hsu MC\*, Hsu YJ\* (2019) Ubiquinol Supplementation Alters Exercise Induced Fatigue by Increasing Lipid Utilization in Mice. *Nutrients* 11(11), 2550. (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*)
22. Tung YT, Hsu YJ, Liao CC, Ho ST, **Huang CC\***, Huang WC\* (2019) Physiological and Biochemical Effects of Intrinsically High and Low Exercise Capacities Through Multiomics Approaches. *Frontiers in Physiology* 10: 1201. **(Correspondence) (SCI)** (IF=3.367; Ranking=20/81 (24.7%, Q1) in *Physiology*) [MOST 108-2410-H-227-007]
23. Huang WC, Chen YH, Chuang HL, Chiu CC, **Huang CC\*** (2019) Investigation of the Effects of Microbiota on Exercise Physiological Adaption, Performance, and Energy Utilization Using a Gnotobiotic Animal Model. *Frontiers in Microbiology* 10: 1906. **(Correspondence) (SCI)** (IF=4.235; Ranking=34/135 (25.2%, Q2) in *Microbiology*)
24. Yang SC, Huang WC, Ng XE, Lee MC, Hsu YJ, **Huang CC**, Wu HH, Yeh CL, Shirakawa H, Budijanto S, Tung TH, Tung YT\* (2019) Rice Bran Reduces Weight Gain and Modulates Lipid Metabolism in Rats with High-Energy-Diet-Induced Obesity. *Nutrients* 11(9), E2033. **(SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*)
25. Lee MC, Hsu YJ, Chuang HL, Hsieh PS, Ho HH, Chen WL, Chiu YS\*, **Huang CC\*** (2019) In Vivo Ergogenic Properties of the *Bifidobacterium longum* OLP-01 Isolated from a Weightlifting Gold Medalist. *Nutrients* 11(9), 2003. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*)
26. Chen YM, **Huang CC**, Sung HC, Lee MC, Hsiao CY\* (2019) Electronic cigarette exposure reduces exercise performance and changes the biochemical profile of female mice. *Bioscience Biotechnology and Biochemistry* 83(12): 2318-2326. **(SCI)** (IF=1.516; Ranking=42/71 (59.2%, Q3) in *Chemistry, Applied*)
27. Wang IL, Hsiao CY, Shen J, Wang Y, **Huang CC**, Chen YM\* (2019) The effects of Jilin sika Deer's (*Cervus dybowskii*) tendon liquid supplementation on endurance drop jumps performance, biochemistry profile of free boxing players. *Journal of Ethnopharmacology* 245: 112119. **(SCI)** (IF=3.609, Ranking=3/28 (10.7%, Q1) in *Integrative & Complementary Medicine*) [Authorships: Lab members are accounting for 2/6]
28. Tung YT, Wu MF, Lee MC, Wu JH, **Huang CC\***, Huang WC\* (2019) Antifatigue Activity and Exercise Performance of Phenolic-Rich Extracts from *Calendula officinalis*, *Ribes nigrum*, and *Vaccinium myrtillus*. *Nutrients* 11(8), 1715. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 4/6]
29. Wang IL, Hsiao CY, Li YH, Meng FB, **Huang CC\***, Chen YM\* (2019) Nanobubbles Water Curcumin Extract Reduces Injury Risks on Drop Jumps in Women: A Pilot Study. *Evidence-Based Complementary and Alternative Medicine* 2019:8647587. **(Correspondence) (SCI)** (IF=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*) [Authorships: Lab members are accounting for 2/6]
30. Chen YM, Sung HC, Kuo YH, Hsu YJ, **Huang CC**, Liang HL\* (2019) The Effects of Ergosta-7,9(11),22-trien-3 $\beta$ -ol from *Antrodia camphorata* on the Biochemical Profile and Exercise Performance of Mice. *Molecules* 24(7): pii: E1225. **(SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*) [Authorships: Lab members are accounting for 3/6]
31. Tung YT, Hsu YJ, Chien YW, **Huang CC**, Huang WC, Chiu WC (2019) Tea Seed Oil Prevents Obesity, Reduces Physical Fatigue, and Improves Exercise Performance in High-Fat-Diet-Induced Obese Ovariectomized Mice. *Molecules* 24(5). pii: E980. **(SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*) [MOST-106-2320-B-038-033] [Authorships: Lab members are accounting for 4/6]
32. Lin CL, **Huang CC**, Huang SW\* (2019) Effects of hypertonic dextrose injection in chronic

supraspinatus tendinopathy of the shoulder: a randomized placebo-controlled trial. *European Journal of Physical and Rehabilitation Medicine* 2019 Aug;55(4):480-487. (SCI) (IF=2.258; Ranking=15/68 (22.1%, Q1) in *Rehabilitation*) [MOST-105-2314-B-038-040] [Authorships: Lab members are accounting for 3/3]

33. Chen YM, Huang CC, Hsiao CY, Hu S, Wang IL, Sung HC (2019) *Ludwigia octovalvis* (Jacq.) raven extract supplementation enhances muscle glycogen content and endurance exercise performance in mice. *Journal of Veterinary Medical Science* 81(5): 667-674. (SCI) (IF=1.049; Ranking=77/142 (54.2%, Q3) in *Veterinary Sciences*)
34. Li H, Chen YJ, Hsu YJ, Wu MF, Chiu CC, Tung YT, Tsai WJ, Huang WC\*, Huang CC\* (2018) Effects of *Ganoderma lucidum* and 'Essence of Chicken' on Physical Fatigue Recovery and Exercise Performance Improvement. *Chinese Journal of Physiology* 61(6): 372-383. (Correspondence) (SCI) (IF=1.151; Ranking=72/81 (88.9%, Q4) in *Physiology*) [Authorships: Lab members are accounting for 5/9]
35. Huang SW, Hsu YJ, Lee MC, Li HS, Yeo PCW, Lim AL\*, Huang CC\* (2018) *In Vitro* and *In Vivo* Functional Characterization of Essence of Chicken as An Ergogenic Aid. *Nutrients* 10(12). pii: E1943. (Correspondence) (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 5/7]
36. Lin CL, Lee MC, Hsu YJ, Huang WC, Huang CC\*, Huang SW\* (2018) Isolated Soy Protein Supplementation and Exercise Improve Fatigue-Related Biomarker Levels and Bone Strength in Ovariectomized Mice. *Nutrients* 10(11): pii: E1792. (Correspondence) (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [MOST-107-2410-H-038-010] [Authorships: Lab members are accounting for 6/6]
37. Kan NW, Lee MC, Tung YT, Chiu CC, Huang CC\*, Huang WC\* (2018) The Synergistic Effects of Resveratrol combined with Resistant Training on Exercise Performance and Physiological Adaption. *Nutrients* 10(10): pii: E1360. (Correspondence) (SCI) [MOST-107-2410-H-227-007] (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 5/6]
38. Hsu YJ, Huang WC, Lin JS, Chen YM, Ho ST, Huang CC\*, Tung YT\* (2018) Kefir Supplementation Modifies Gut Microbiota Composition, Reduces Physical Fatigue, and Improves Exercise Performance in Mice. *Nutrients* 10(7): pii: E862. (Correspondence) (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 5) [MOST-106-2622-H-179-001-CC2 to Chi-Chang Huang] [Authorships: Lab members are accounting for 4/7]
39. Huang WC, Huang HY, Hsu YJ, Su WH, Shen SY, Lee MC\*, Lin CL\*, Huang CC\* (2018) The Effects of Thiamine Tetrahydrofurfuryl Disulfide on Physiological Adaption and Exercise Performance Improvement. *Nutrients* 10(7): pii: E851. (Correspondence) (SCI) (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 1) [Authorships: Lab members are accounting for 5/8]
40. Tsai SW, Hsu YJ, Lee MC, Huang HE, Huang CC\*, Tung YT\* (2018) Effects of dextrose prolotherapy on contusion-induced muscle injuries in mice. *International Journal of Medical Sciences* 15(11): 1251-1259. (Correspondence) (SCI) (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*) [MOST 105-2314-B-303-004 to Sen-Wei Tsai and MOST 106-2313-B-038-003-MY2 to Yu-Tang Tung] [Authorships: Lab members are accounting for 3/10]
41. Huang WC, Hsu YJ, Li HS, Kan NW, Chen YM, Lin JS, Hsu TK, Tsai TY\*, Chiu YS\*, Huang CC\*



- (2018) Effect of *Lactobacillus plantarum* TWK10 on improving endurance performance in humans. *Chinese Journal of Physiology* 61(3): 163-170. **(Correspondence) (SCI)** (IF=1.151; Ranking=72/81 (88.9%, Q4) in *Physiology*; Times cited: 2) [MOST-102-2628-B-179-001-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 6/10]
42. Chen YM, Lee HC, Chen MT, **Huang CC\***, Chen WC\* (2018) Dehydroepiandrosterone supplementation combined with Weight-Loading Whole-Body Vibration Training (WWBV) affects exercise performance and muscle glycogen storage in middle-aged C57BL/6 mice. *International Journal of Medical Sciences* 15(6): 564-573. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*) [MOST-105-2410-H-255-001 to Wen-Chyuan Chen]
  43. Hsiao CY, Hsu YJ, Tung YT, Lee MC, **Huang CC\***, Hsieh CC\* (2018) Effects of *Antrodia camphorata* and *Panax ginseng* Supplementation on Anti-fatigue Properties in Mice. *Journal of Veterinary Medical Science* 80(2): 284-291. **(Correspondence) (SCI)** (IF=1.049; Ranking=77/142 (54.2%, Q3) in *Veterinary Sciences*; Times cited: 2) [NSC97-2410-H134-023 to City C. Hsieh] [Authorships: Lab members are accounting for 4/6]
  44. Ma GD, Chiu CH, Hsu YJ, Hou CW, Chen YM\*, **Huang CC\*** (2017) Changbai Mountain Ginseng (*Panax ginseng* C.A. Mey) Extract Supplementation Improves Exercise Performance and Energy Utilization and Decreases Fatigue-Associated Parameters in Mice. *Molecules* 22(2): pii: E237. **(Correspondence) (SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 10) [Authorships: Lab members are accounting for 4/6]
  45. Tung YT, Chen YJ, Chuang HL, Huang WC, Lo CT, Liao CC\*, **Huang CC\*** (2017) Characterization of the serum and liver proteomes in gut-microbiota-lacking mice. *International Journal of Medical Sciences* 14(3): 257-267. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 3) [MOST-102-2628-B-179-001-MY3 and MOST-104-2628-H-179-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/7]
  46. Lin CH, Liao CC, Huang CH, Tung YT, Chang HC, Hsu MC\*, **Huang CC\*** (2017) Proteomics Analysis to Identify and Characterize the Biomarkers and Physical Activities of Non-Frail and Frail Older Adults. *International Journal of Medical Sciences* 14(3): 231-239. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 6) [NSC-100-2410-H179-012 to Chi-Chang Huang and MOST-104-2410-H-037-004-MY2 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 3/7]
  47. Ho CS, Tung YT, Kung WM, Huang WC, Leung WK, **Huang CC\***, Wu JH\* (2017) Effect of *Coriolus versicolor* Mycelia Extract on Exercise Performance and Physical Fatigue in Mice. *International Journal of Medical Sciences* 14(11): 1110-1117. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 3) [MOST-104-2811-B-179-001 to Chi-Chang Huang and Lo-Hsu Foundation to Chun-Sheng Ho] [Authorships: Lab members are accounting for 5/7]
  48. Chen WC, Hsu YJ, Lee MC, Li HS, Ho CS, **Huang CC\***, Chen FA\* (2017) Effect of burdock extract on physical performance and physiological fatigue in mice. *Journal of Veterinary Medical Science* 79(10): 1698-1706. **(Correspondence) (SCI)** (IF=1.049; Ranking=77/142 (54.2%, Q3) in *Veterinary Sciences*; Times cited: 1) [MOST-103-2622-H-127-001-CC3 to Fu-An Chen] [Authorships: Lab members are accounting for 5/7]
  49. Huang WC, Chang WC, Hsu YJ, Huang CF, **Huang CC\***, Kao CY\*, Lin CL\* (2017) The Modulative Effects of Microcurrent Electrical Nerve Stimulation on Diabetic Mice. *Chinese Journal of*

- Physiology* 60(1): 62-72. **(Correspondence) (SCI)** (IF=1.151; Ranking=72/81 (88.9%, Q4) in *Physiology*) [Authorships: Lab members are accounting for 4/7]
50. Wu PY, **Huang CC**, Chu Y, Huang YH, Lin P, Liu YH, Wen KC, Lin CY, Hsu MC, Chiang HM\* (2017) Alleviation of Ultraviolet B-Induced Photodamage by *Coffea arabica* Extract in Human Skin Fibroblasts and Hairless Mouse Skin. *International Journal of Molecular Sciences* 18(4): pii: E782 **(Co-first author) (SCI)** (IF=4.556; Ranking=74/297 (24.9%, Q1) in *Biochemistry & Molecular Biology*; Times cited: 8) [Authorships: Lab members are accounting for 1/10]
  51. Huang WC, **Huang CC**, Chuang HL, Chen WC\*, Hsu MC\* (2017) Cornu Cervi Pantotrichum Supplementation improves Physiological Adaptions on an Intensive Endurance Training. *Journal of Veterinary Medical Science* 79(3): 674-682. **(SCI)** (IF=1.049; Ranking=77/142 (54.2%, Q3) in *Veterinary Sciences*; Times cited: 2) [NSC-101-2410-H-037-016-MY3 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 2/5]
  52. Hsiao CY, Chen YM, Hsu YJ, **Huang CC**, Sung HC\*, Chen SS\* (2017) Supplementation with Hualian No. 4 Wild Bitter Gourd (*Momordica charantia* Linn. var. abbreviata Ser.) Extract Increases Anti-Fatigue Activities and Enhances Exercise Performance in Mice. *Journal of Veterinary Medical Science* 79(6): 1110-1119. **(SCI)** (IF=1.049; Ranking=77/142 (54.2%, Q3) in *Veterinary Sciences*; Times cited: 3) [Authorships: Lab members are accounting for 3/6]
  53. Huang WC, Chang YC, Chen YM, Hsu YJ, **Huang CC**, Kan NW\*, Chen SS\* (2017) Whey Protein Improves Marathon-Induced Injury and Exercise Performance in Elite Track Runners. *International Journal of Medical Sciences* 14(7): 648-654 **(SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 6) [MOST-102-2628-B-179-001-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 4/7]
  54. Huang WC, Hsu YJ, Wei L, Chen YJ\*, **Huang CC\*** (2016) Association of physical performance and biochemical profile of mice with intrinsic endurance swimming. *International Journal of Medical Sciences* 13(12): 892-901. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 2) [MOST-104-2628-H-179-001-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/5]
  55. Hsu YJ, Huang WC, Chiu CC, Liu YL, Chiu WC, Chiu CH, Chiu YS\*, **Huang CC\*** (2016) Capsaicin Supplementation Improves Physical Fatigue and Exercise Performance in Mice. *Nutrients* 8(10): pii: E648. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*) [Authorships: Lab members are accounting for 6/8]
  56. Kan NW, Ho CS, Chiu YS, Huang WC, Chen PY, Tung YT\*, **Huang CC\*** (2016) Effects of Resveratrol Supplementation and Exercise Training on the Exercise Performance in Middle-aged Mice. *Molecules* 21(5): pii: E661 **(Correspondence) (SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 18) [NSC-102-2628-H179-001-MY2 to Chi-Chang Huang] [Authorships: Lab members are accounting for 5/7]
  57. Chen YM, Wei L, Chiu YS, Hsu YJ, Tsai TY\*, Wang MF\*, **Huang CC\*** (2016) *Lactobacillus Plantarum* TWK10 Supplementation Improves Exercise Performance and Increases Muscle Mass in Mice. *Nutrients* 8(4): pii: E205. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 33) [MOST-102-2628-B-179-001-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 4/7]
  58. Chen YM, Lin CL, Wei L, Hsu YJ, Chen KN, **Huang CC\***, 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=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 10) [行政院教育部體育署-105年度運動科學研究及發展獎勵-優等獎] [Authorships: Lab members are accounting for 4/7]

59. **Huang CC**, Wang T, Tung YT, Lin WT\* (2016) Effect of Exercise Training on Skeletal Muscle SIRT1 and PGC-1 $\alpha$  Expression Levels in Rats of Different Age. *International Journal of Medical Sciences* 13(4): 260-270. **(SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 27) [NSC-99-2410-H029-059-MY2 and MOST-103-2410-H-029-037 to Wan-Teng Lin] [Authorships: Lab members are accounting for 2/4]
60. **Huang CC**, Tung YT, Huang WC, Chen YM, Hsu YJ, 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: 100. **(SCI)** (IF=2.833; Ranking=6/28 (21.4%, Q1) in *Integrative & Complementary Medicine*; Times cited: 13) [University-Industry Cooperation Fund no. S102019 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 5/6]
61. Huang WC, Lin CL, Hsu YJ, Chiu YS, Chen YM, Wu MF, **Huang CC**, Wang MF\* (2016) Inulin and Fibersol-2 Combined Have Hypolipidemic Effects on High Cholesterol Diet-Induced Hyperlipidemia in Hamsters. *Molecules* 21(3): pii: E313. **(Co-first author) (SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 11) [University-Industry Cooperation Fund No.1041008 to Chi-Chang Huang] [Authorships: Lab members are accounting for 5/8]
62. Chang CW, Chen YM, Hsu YJ, **Huang CC**, Wu YT\*, Hsu MC\* (2016). Protective effects of the roots of *Angelica sinensis* on strenuous exercise-induced sports anemia in rats. *Journal of Ethnopharmacology* 193: 169-178. **(SCI)** (IF=3.609, Ranking=3/28 (10.7%, Q1) in *Integrative & Complementary Medicine*; Times cited: 8) [MOST-104-2410-H-037-004-MY2 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 3/6]
63. Chen WC, Chen YM, **Huang CC**, Tzeng YD\* (2016) Dehydroepiandrosterone Supplementation Combined with Whole-Body Vibration Training Affects Testosterone Level and Body Composition in Mice. *International Journal of Medical Sciences* 13(10): 730-740. **(SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 3) [MOST-104-2410-H-255-003 to Wen-Chyuan Chen] [Authorships: Lab members are accounting for 2/4]
64. Lin CI, Huang WC, Chen WC, Kan NW, Wei L, Chiu YS\*, **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(9): 1146-1156. **(Correspondence) (SCI)** (IF=6.159; Ranking=17/143 (11.9%, Q1) in *Endocrinology & Metabolism*; Times cited: 19) [NSC-102-2628-H179-001-MY2 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/7]
65. Liao CC, Chiu YS, Chiu WC, Tung YT, Chuang HL, Wu JH\*, **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=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 12) [MOST-102-2628-B-179-001-MY3 and MOST-104-2811-B-179-001 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/7]
66. Lee LC, Wei L, Huang WC, Hsu YJ, Chen YM\*, **Huang CC**\* (2015) Hypolipidemic Effect of Tomato Juice in Hamsters in High Cholesterol Diet-Induced Hyperlipidemia. *Nutrients* 7(12):

- 10525-10537. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 17) [Authorships: Lab members are accounting for 4/6]
67. Huang WC, Chiu WC, Chuang HL, Tang DW, Lee ZM, Wei L, Chen FA\*, **Huang CC\*** (2015) Effect of curcumin supplementation on physiological fatigue and physical performance in mice. *Nutrients* 7(2): 905-921. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 45) [Authorships: Lab members are accounting for 3/8]
68. Chen YM, Tsai YH, Tsai TY, Chiu YS, Wei L, Chen WC\*, **Huang CC\*** (2015) Fucoidan supplementation improves exercise performance and exhibits anti-fatigue action in mice. *Nutrients* 7(1): 239-252. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 23) [Authorships: Lab members are accounting for 4/7]
69. Hsu YJ, Chiu CC, Li YP, Huang WC, Huang YT, **Huang CC\***, Chuang HL\* (2015) Effect of intestinal microbiota on exercise performance in mice. *Journal of Strength and Conditioning Research* 29(2): 552-558. **(Correspondence) (SCI)** (IF=2.973; Ranking=19/85 (22.4%, Q1) in *Sport Sciences*; Times cited: 36) [NSC-101-2320-B179-001 and NSC-102-2628-B-179-001-MY3 to Chi-Chang Huang] [Authorships: Lab members are accounting for 5/7]
70. Huang WC, Chen YM, Kan NW, Ho CS, Wei L, Chan CH, Huang HY\*, **Huang CC\*** (2015) Hypolipidemic Effects and Safety of *Lactobacillus Reuteri* 263 in a Hamster Model of Hyperlipidemia. *Nutrients* 7(5): 3767-3782. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 16) [Authorships: Lab members are accounting for 4/8]
71. Wang YH, Liu TT, Kung WM, Chen CC, Wen YT, Lin IC, **Huang CC\***, Wei L\* (2015) Expression of aquaporins in intestine after heat stroke. *International Journal of Clinical and Experimental Pathology* 8(8): 8742-8753. **(Correspondence) (SCI)** (IF=0.252; Ranking=239/244 (98.0%, Q4) in *Oncology*; Times cited: 7) [Authorships: Lab members are accounting for 1/8]
72. Tung YT, Lin LC, Liu YL, Ho ST, Lin CY, Chuang HL, Chiu CC, **Huang CC\***, 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. **(Correspondence) (SCI)** (IF=2.833; Ranking=6/28 (21.4%, Q1) in *Integrative & Complementary Medicine*; Times cited: 11) [Authorships: Lab members are accounting for 3/9]
73. Chang CW, Hsu YJ, Chen YM, Huang WC, **Huang CC**, 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=2.833; Ranking=6/28 (21.4%, Q1) in *Integrative & Complementary Medicine*; Times cited: 8) [University-Industry Cooperation Fund no. S102019 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 4/6]
74. Wen YT, Liu TT, Lin YF, Chen CC, Kung WM, **Huang CC**, Lin TJ, Wang YH\*, Wei L\* (2015) Heatstroke Effect on Brain Heme Oxygenase-1 in Rat. *International Journal of Medical Sciences* 12(9): 737-741. **(SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 2) [Authorships: Lab members are accounting for 1/9]
75. Chen WC, Huang WC, Chiu CC, Chang YK, **Huang CC\*** (2014) Whey protein improves exercise performance and biochemical profiles in trained mice. *Medicine and Science in Sports and Exercise* 46(8): 1517-1524. **(Correspondence) (SCI)** (IF=4.029; Ranking = 9/85 (10.6%, Q1) in *Sport*



*Sciences*; Times cited: 61) [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]  
[NSC-102-2628-H179-001-MY2 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/5]

76. Huang WC, Lin CI, Chiu CC, Lin YT, Huang WK, Huang HY\*, **Huang CC\*** (2014) Chicken essence improves exercise performance and ameliorates physical fatigue. *Nutrients* 6(7): 2681-2696. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 29) [Authorships: Lab members are accounting for 3/7]
77. Horng CT, Huang JK, Wang HY, **Huang CC\***, Chen FA\* (2014) Antioxidant and antifatigue activities of *Polygonatum Alte-lobatum* Hayata rhizomes in rats. *Nutrients* 6(11): 5327-5337. **(Correspondence) (SCI)** (IF=4.546; Ranking=17/89 (19.1%, Q1) in *Nutrition & Dietetics*; Times cited: 17) [Authorships: Lab members are accounting for 1/5]
78. **Huang CC\***, Tseng TL, Huang WC, Chung YH, Chuang HL, Wu JH\* (2014) Whole-body vibration training effect on physical performance and obesity in mice. *International Journal of Medical Sciences* 11(12): 1218-1227. **(Correspondence) (SCI)** (IF=2.523; Ranking=50/165 (30.3%, Q2) in *Medicine, General & Internal*; Times cited: 25) [NSC-102-2628-H179-001-MY2 to Chi-Chang Huang] [Authorships: Lab members are accounting for 3/6]
79. **Huang CC**, Huang WC, Hou CW, Chi YW, 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(5): 8280-8292. **(SCI)** (IF=4.556; Ranking=74/297 (24.9%, Q1) in *Biochemistry & Molecular Biology*; Times cited: 13) [Authorships: Lab members are accounting for 2/5]
80. **Huang CC**, Chen YM, Kan NW, Chao HL, Ho CS, Hsu MC\* (2014) *Cornu cervi pantotrichum* supplementation improves exercise performance and protects against physical fatigue in mice. *Molecules* 19(4): 4669-4680. **(SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 5) [NSC-101-2410-H-037-016-MY3 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 3/6]
81. Yeh TS, Chuang HL, Huang WC, Chen YM, **Huang CC\***, Hsu MC\* (2014) *Astragalus membranaceus* improves exercise performance and ameliorates exercise-induced fatigue in trained mice. *Molecules* 19(3): 2793-2807. **(Correspondence) (SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 43) [NSC-99-2410-H-179-006-MY2 and NSC-101-2410-H-037-016-MY3 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 3/6]
82. **Huang CC**, Chen YM, Wang DC, Chiu CC, Lin WT, Huang CY, Hsu MC\* (2014) Cytoprotective effect of American ginseng in a rat ethanol gastric ulcer model. *Molecules* 19(1): 316-326. **(SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 27) [NSC-101-2410-H-037-016-MY3 to Mei-Chich Hsu] [Authorships: Lab members are accounting for 3/7]
83. **Huang CC**, Lo BS, Hsu FL, 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=4.679; Ranking=14/139 (10.1%, Q1) in *Food Science & Technology*; Times cited: 13) [Authorships: Lab members are accounting for 2/4]
84. Yeh TS, **Huang CC**, Chuang HL, Hsu MC\* (2014) *Angelica sinensis* improves exercise performance and protects against physical fatigue in trained mice. *Molecules* 19(4): 3926-3939. **(SCI)** (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 15) [NSC-99-2410-H-179-006-MY2 and NSC-101-2410-H-037-016-MY3 to Mei-Chich Hsu] [Authorships: Lab members

are accounting for 1/4]

85. Chang YK\*, Tsai CL, **Huang CC**, Wang CC, 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(1): 51-55. (SCI) (IF=3.607; Ranking=12/85 (14.1%, Q1) in *Sport Sciences*; Times cited: 71) [Authorships: Lab members are accounting for 1/5]
86. Chen CY, **Huang CC**, Tsai KC, Huang WJ, Huang WC, Hsu YC, 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=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*; Times cited: 7) [Authorships: Lab members are accounting for 2/7]
87. Huang HY\*, Korivi M, Yang HT, **Huang CC**, Chaing YY, 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(4): 198-208. (SCI) (IF=1.151; Ranking=72/81 (88.9%, Q4) in *Physiology*; Times cited: 19) [Authorships: Lab members are accounting for 1/6]
88. Kan NW, Huang WC, Lin WT, Huang CY, Wen KC, Chiang HM, **Huang CC\***, Hsu MC\* (2013) Hepatoprotective effects of *Ixora parviflora* extract against exhaustive exercise-induced oxidative stress in mice. *Molecules* 18(9): 10721-10732. (Correspondence) (SCI) (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 15) [Authorships: Lab members are accounting for 2/8]
89. **Huang CC**, Chiang WD, Huang WC, Huang CY, Hsu MC, 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=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*; Times cited: 18) [NSC-99-2410-H029-059-MY2 to Wan-Teng Lin] [Authorships: Lab members are accounting for 2/6]
90. Wu RE, Huang WC, Liao CC, Chang YK, Kan NW\*, **Huang CC\*** (2013) Resveratrol protects against physical fatigue and improves exercise performance in mice. *Molecules* 18(4): 4689-4702. (Correspondence) (SCI) (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 82) [Authorships: Lab members are accounting for 3/6]
91. **Huang CC**, Lin KJ, Cheng YW, Hsu CA, Yang SS, Shyur LF\* (2013) Hepatoprotective effect and mechanistic insights of deoxyelephantopin, a phyto-sesquiterpene lactone, against fulminant hepatitis. *Journal of Nutritional Biochemistry* 24(3): 516-530. (SCI) (IF=4.873; Ranking=15/89 (16.9%, Q1) in *Nutrition & Dietetics*; Times cited: 39) [Authorships: Lab members are accounting for 4/6]
92. **Huang CC**, Huang WC, Yang SC, Chan CC, Lin WT\* (2013) *Ganoderma tsugae* hepatoprotection against exhaustive exercise-induced liver injury in rats. *Molecules* 18(2): 1741-1754. (SCI) (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 23) [Authorships: Lab members are accounting for 2/5]
93. 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=2.776; Ranking=24/69 (34.8%, Q2) in *Multidisciplinary Sciences*; Times cited: 11) [Authorships: Lab members are accounting for 4/7]
94. **Huang CC\***, Hsu MC, Huang WC, Yang HR, 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=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*; Times cited: 64) [Authorships: Lab members are accounting for 4/5]
95. Wang SY, Huang WC, Liu CC, Wang MF, Ho CS, Huang WP, Hou CC, Chuang HL\*, **Huang CC\*** (2012) Pumpkin (*Cucurbita moschata*) fruit extract improves physical fatigue and exercise performance in mice. **Molecules** 17(10): 11864-11876. (Correspondence) (SCI) (IF=3.267; Ranking=70/177 (39.5%, Q2) in *Chemistry, Multidisciplinary*; Times cited: 51) [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] [Authorships: Lab members are accounting for 3/9]
  96. Chuang HL, Huang YT, Chi CC, Liao CD, Hsu FL, **Huang CC\***, Hou CC\* (2012) Metabolomics characterization of energy metabolism reveals glycogen accumulation in gut-microbiota-lacking mice. **Journal of Nutritional Biochemistry** 23(7): 752-758. (Correspondence) (SCI) (IF=4.873; Ranking=15/89 (16.9%, Q1) in *Nutrition & Dietetics*; Times cited: 24) [Authorships: Lab members are accounting for 2/7]
  97. Lin TJ, **Huang CC**, Huang CY, 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(8): 2943-2955. (co-first author) (SCI) (IF=2.580; Ranking=28/85 (32.9%, Q2) in *Sport Sciences*; Times cited: 29) [Authorships: Lab members are accounting for 1/4]
  98. Ho ST, Tung YT, **Huang CC**, Kuo CL, Lin CC, Yang SC, 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=1.813; Ranking=16/28 (57.1%, Q3) in *Integrative & Complementary Medicine*; Times cited: 12) [Authorships: Lab members are accounting for 1/7]
  99. Chang YK\*, Ku PW, Tomporowski PD, Chen FT, **Huang CC** (2012) Effects of acute resistance exercise on late-middle-age adults' goal planning. **Medicine and Science in Sports and Exercise** 44(9): 1773-1779. (SCI) (IF=4.029; Ranking = 9/85 (10.6%, Q1) in *Sport Sciences*; Times cited: 37) [Authorships: Lab members are accounting for 1/5]
  100. Chang YK\*, Pan CY, Chen FT, Tsai CL, **Huang CC** (2012) Effect of resistance-exercise training on cognitive function in healthy older adults: a review. **Journal of Aging and Physical Activity** 20(4): 497-517. (SCI) (IF=1.763; Ranking=52/85 (61.2%, Q3) in *Sport Sciences*; Times cited: 130) [Authorships: Lab members are accounting for 1/5]
  101. Chien KY, **Huang CC**, Hsu KF, Kuo CH, Hsu MC\* (2012) Swim training reduces metformin levels in fructose-induced insulin resistant rats. **Journal of Pharmacy and Pharmaceutical Sciences** 15(1): 85-93. (SCI) (IF=1.667; Ranking=222/270 (82.2%, Q4) in *Pharmacology & Pharmacy*; Times cited: 7) [Authorships: Lab members are accounting for 2/5]
  102. Hung SW, Chiu CF, Chen TA, Chu CL, **Huang CC**, Shyur LF, Liang CM\*, Liang SM\* (2012) Recombinant viral protein VP1 suppresses HER-2 expression and migration/metastasis of breast cancer. **Breast Cancer Research and Treatment** 136(1): 89-105. (SCI) (IF=3.831; Ranking=93/244 (38.1%, Q2) in *Oncology*; Times cited: 6) [Authorships: Lab members are accounting for 2/8]
  103. **Huang CC**, Tung YT, Cheng KC, Wu JH\* (2011) Phytocompounds from *Vitis kelungensis* stem prevent carbon tetrachloride-induced acute liver injury in mice. **Food Chemistry** 125(2): 726-731. (SCI) (IF=6.306; Ranking=6/139 (4.3%, Q1) in *Food Science & Technology*; Times cited: 16)

[Authorships: Lab members are accounting for 1/4]

104. Hou CC, **Huang CC**, 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(22): 11966-11974. **(co-first author) (SCI)** (IF=4.192; Ranking=4/58 (7.9%, Q1) in *Agriculture, Multidisciplinary*; Times cited: 17) [Authorships: Lab members are accounting for 3/3]
105. Tung YT, **Huang CC**, Ho ST, Kuo YH, Lin CC, Lin CT, 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(15): 8117-8123. **(co-first author) (SCI)** (IF=4.192; Ranking=4/58 (7.9%, Q1) in *Agriculture, Multidisciplinary*; Times cited: 32) [Authorships: Lab members are accounting for 1/7]
106. Shyur LF\*, **Huang CC**, Hsu YY, Cheng YW, 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(4-5): 391-399. **(SCI)** (IF=3.044; Ranking=47/234 (20.1%, Q1) in *Plant Sciences*; Times cited: 7) [Authorships: Lab members are accounting for 4/5]
107. Tung YT, Hsu CA, Chen CS, Yang SC, **Huang CC**, 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(18): 9936-9941. **(co-first author) (SCI)** (IF=4.192; Ranking=4/58 (7.9%, Q1) in *Agriculture, Multidisciplinary*; Times cited: 40) [Authorships: Lab members are accounting for 2/6]
108. **Huang CC**, Lo CP, Chiu CY, 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(4): 856-871. **(SCI)** (IF=7.730; Ranking=9/270 (3.3%, Q1) in *Pharmacology & Pharmacy*; Times cited: 70) [Authorships: Lab members are accounting for 4/4]
109. **Huang CC**, Lin WT, Hsu FL, Tsai PW, 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(3): 557-566. **(SCI)** (IF=2.580; Ranking=28/85 (32.9%, Q2) in *Sport Sciences*; Times cited: 60) [Authorships: Lab members are accounting for 3/5]
110. **Huang CC**, Lin TJ, Chen CC, 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(6): 697-706. **(SCI)** (IF=2.580; Ranking=28/85 (32.9%, Q2) in *Sport Sciences*; Times cited: 54) [Authorships: Lab members are accounting for 1/4]
111. **Huang CC**, Lin TJ, Lu YF, Chen CC, Huang CY\*, Lin WT\* (2009) Protective effects of *L*-arginine supplementation against exhaustive exercise-induced oxidative stress in young rat tissues. *Chinese Journal of Physiology* 52(5): 306-315. **(SCI)** (IF=1.151; Ranking=72/81 (88.9%, Q4) in *Physiology*; Times cited: 73) [Authorships: Lab members are accounting for 1/6]
112. Lin WT, **Huang CC**, Lin TJ, Chen JR, Shieh MJ, Yang SC\*, Huang CY\* (2009) Effects of beta-carotene on antioxidant status in rats with chronic alcohol consumption. *Cell Biochemistry and Function* 27(6): 344-350. **(co-first author) (SCI)** (IF=2.632; Ranking=186/297 (62.6%, Q3) in *Biochemistry & Molecular Biology*; Times cited: 36) [Authorships: Lab members are accounting for 1/7]
113. Tung YT, Wu JH, **Huang CC**, Peng HC, Chen YL, Yang SC\*, 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(6): 1385-1392. (SCI) (IF=4.679; Ranking=14/139 (10.1%, Q1) in *Food Science & Technology*; Times cited: 87) [Authorships: Lab members are accounting for 2/7]
114. Chang CY, Chen YL, Yang SC, Huang GC, Tsi D, **Huang CC**, Chen JR\*, Li JS (2009) Effect of schisandrin B and sesamin mixture on CCl<sub>4</sub>-induced hepatic oxidative stress in rats. *Phytotherapy Research* 23(2): 251-256. (SCI) (IF=4.087; Ranking=58/270 (21.5%, Q1) in *Pharmacology & Pharmacy*; Times cited: 39) [Authorships: Lab members are accounting for 3/8]
115. **Huang CC**, Tsai SC, Lin WT\* (2008) Potential ergogenic effects of *L*-arginine against oxidative and inflammatory stress induced by acute exercise in aging rats. *Experimental Gerontology* 43(6): 571-577. (SCI) (IF=3.376; Ranking=19/51 (37.3%, Q2) in *Geriatrics & Gerontology*; Times cited: 80) [Authorships: Lab members are accounting for 1/3]
116. Shyur LF\*, **Huang CC**, Lo CP, Chiu CY, Chen YP, Wang SY, Chang ST (2008) Hepatoprotective phytochemicals from *Cryptomeria japonica* are potent modulators of inflammatory mediators. *Phytochemistry* 69(6): 1348-1358. (co-first author) (SCI) (IF=3.044; Ranking=47/234 (20.1%, Q1) in *Plant Sciences*; Times cited: 41) [Authorships: Lab members are accounting for 5/7]
117. Hou CC, Chen YP, Wu JH, **Huang CC**, Wang SY, Yang NS, Shyur LF\* (2007) A galactolipid possesses novel cancer chemopreventive effects by suppressing inflammatory mediators and mouse B16 melanoma. *Cancer Research* 67(14): 6907-6015. (co-third author) (SCI) (IF=9.727; Ranking=19/244 (7.8%, Q1) in *Oncology*; Times cited: 54) [Authorships: Lab members are accounting for 5/7]
118. Lin WT, Yang SC, Tsai SC, **Huang CC**, Lee NY\* (2006) *L*-Arginine attenuates xanthine oxidase and myeloperoxidase activities in hearts of rats during exhaustive exercise. *British Journal of Nutrition* 95(1): 67-75. (SCI) (IF=3.334; Ranking=40/89 (44.9%, Q2) in *Nutrition & Dietetics*; Times cited: 22) [Authorships: Lab members are accounting for 2/5]
119. **Huang CC**\*, Chen JR, Shieh MJ, 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(17): 2603-2608. (Correspondence) (SCI) (IF=3.411; Ranking=35/84 (41.7%, Q2) in *Gastroenterology & Hepatology*; Times cited: 7) [Authorships: Lab members are accounting for 3/4]
120. Liu CC, **Huang CC**, Lin WT, Hsieh CC, Huang SY, Lin SJ, 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(4): 595-601. (SCI) (IF=3.334; Ranking=40/89 (44.9%, Q2) in *Nutrition & Dietetics*; Times cited: 24) [Authorships: Lab members are accounting for 3/7]
121. Lin WT, Yang SC, Chen KT, **Huang CC**, Lee NY\* (2005) Protective effects of *L*-arginine on pulmonary oxidative stress and antioxidant defenses during exhaustive exercise in rats. *Acta Pharmacologica Sinica* 26(8): 992-999. (SCI) (IF=5.064; Ranking=26/270 (9.6%, Q1) in *Pharmacology & Pharmacy*; Times cited: 23) [Authorships: Lab members are accounting for 2/5]
122. Yang SS, **Huang CC**, Chen JR, Chiu CL, Shieh MJ, Lin SJ, Yang SC\* (2005) Effects of ethanol on antioxidant capacity in isolated rat hepatocytes. *World Journal of Gastroenterology* 11(46): 7272-7276. (co-first author) (SCI) (IF=3.411; Ranking=35/84 (41.7%, Q2) in *Gastroenterology & Hepatology*; Times cited: 9) [Authorships: Lab members are accounting for 5/7]

123. Yang SC, Chiu CL, **Huang CC**, Chen JR\* (2005) Apoptosis induced by nucleosides in the human hepatoma HepG2. *World Journal of Gastroenterology* 11(40): 6381-6384. (SCI) (IF=3.411; Ranking=35/84 (41.7%, Q2) in *Gastroenterology & Hepatology*; Times cited: 1) [Authorships: Lab members are accounting for 3/4]
124. Yang SC, **Huang CC**, Chu JS, 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(2): 209-215. (SCI) (IF=3.334; Ranking=40/89 (44.9%, Q2) in *Nutrition & Dietetics*; Times cited: 11) [Authorships: Lab members are accounting for 2/4]
125. Huang WC, Chiu CC, Lee MC\*, **Huang CC\*** (2018) Subacute oral toxicity evaluation of *A. camphorata* mycelium in ICR mice. *Adaptive Medicine* 10(3): 79-89. (Correspondence) (Non-SCI) [Authorships: Lab members are accounting for 3/4]
126. Lin YA, Khamoui AV, Liao CC, **Huang CC\***, 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. (Correspondence) (Non-SCI) [Authorships: Lab members are accounting for 3/5]
127. Huang WC, Tang DW, Jeng SC, Ho CS\*, **Huang CC\*** (2014) Adaptive Effect of *Anoectochilus Formosanus* Supplementation on Physical Fatigue and Exercise Performance in Mice. *Adaptive Medicine* 6(3): 110-117. (Correspondence) (Non-SCI) [Authorships: Lab members are accounting for 3/5]
128. Chuang HL, Huang YT, Hou CC\*, **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. (Correspondence) [Authorships: Lab members are accounting for 2/4]
129. Chang KH, Hsu YJ, Hsu CY\*, **Huang CC\*** (2017) A Systematic Review of Bioactivities of *Hibiscus sabdariffa* and its Effectiveness in Managing Blood Lipid Profile. *Journal of Chang Gung University of Science and Technology* 24: 151-160. [Chinese article] 張凱翔、徐藝洳、許青雲\*、**黃啟彰\*** (2017) 洛神花之生物活性以及調節血脂作用之系統性文獻回顧。長庚科技學刊。26: 89-102。 (Correspondence) [Authorships: Lab members are accounting for 3/4]
130. Hsu YJ, Chuang HL, Huang YT, Hsu CY, **Huang CC\*** (2016) The roles of gut microbiota in nutritional biochemistry and metabolic disorders of host. *Journal of Chang Gung University of Science and Technology* 24: 151-160. [Chinese article] 徐藝洳、莊曉莉、黃彥智、許青雲、**黃啟彰\*** (2016) 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。24: 151-160。 (Correspondence) [Authorships: Lab members are accounting for 2/5]
131. Lo YC, Chen YM, Wang KH, **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。 (Correspondence) [Authorships: Lab members are accounting for 3/4]
132. 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. *Physical Education Journal* 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 。[Authorships: Lab members are accounting for 4/6]

133. 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] 陳姵妤、**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。 (Correspondence) [Authorships: Lab members are accounting for 2/2]
134. Tsai YJ, Chen YM, **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。 (Correspondence) [Authorships: Lab members are accounting for 3/3]
135. Chang KW, Hsu CY, Lin WT\*, **Huang CC\*** (2014) The role of SIRT1/PGC-1 $\alpha$  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 $\alpha$ 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。 (Correspondence) [Authorships: Lab members are accounting for 2/4]
136. Huang WP, Hsu CY, **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。 (Correspondence) [Authorships: Lab members are accounting for 2/3]
137. Lin CH, **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。 (Correspondence) [Authorships: Lab members are accounting for 1/2]
138. 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。 [Authorships: Lab members are accounting for 2/4]
139. Tang JC, Hsu MC\*, **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。 (Correspondence) [Authorships: Lab members are accounting for 3/3]
140. Lin TJ, **Huang CC**, Wang IJ, Lin JW, Hung KS, Ling F, Tsao HH, Yang NS, 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. [Authorships: Lab members are accounting for 1/9]
141. 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。 [Authorships: Lab members are accounting for 2/2]
142. 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。[Authorships: Lab members are accounting for 2/2]

143. 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。[Authorships: Lab members are accounting for 2/2]
144. **Huang CC**, Yang SC\*, Hsu CY (2004) The role of PPAR- $\gamma$  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- $\gamma$ 在肝臟星狀細胞活化。長庚科技學刊。3: 1-8。[Authorships: Lab members are accounting for 2/3]
145. **Huang CC**, Chen JR, Haung TI, Shieh MJ, Chu JS, 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)  $\beta$ -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。[Authorships: Lab members are accounting for 3/6]
146. Yang SC, Huang TI, **Huang CC**, Shieh MJ, Chiu WC, Cheng CJ, 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。[Authorships: Lab members are accounting for 3/7]

## II. 技轉：

1. 陳奕鳴、蔡宗佑、**黃啟彰**\* (2016/09)。具有增加肌肉質量及提升運動表現效果之乳酸桿菌菌株 (*Lactobacillus plantarum* TWK10, LP10) (計畫編號：MOST-102-2628-B-179-001-MY3)。被授權單位：生合生物科技股份有限公司。技轉金額：新台幣 100萬元整(合約編號：MOST-N-105-00155)。
2. **黃啟彰**\* (2017/03)。克菲爾乳酸飲料在抗疲勞及增進運動表現之功能評估。先期技轉金額：新台幣 189,255元整(合約編號：MOST-106-2622-H-179-001-CC2)。
3. **黃啟彰**\* (2018/07)。克菲爾乳酸飲料在抗疲勞及增進運動表現之功能評估-2。先期技轉金額：新台幣 189,493元整(合約編號：MOST-107-2622-H-179-001-CC2)。
4. **黃啟彰**\* (2018/07)。克菲爾乳酸飲料在抗疲勞及增進運動表現之功能評估。生合生物科技股份有限公司。技轉金額：新台幣 40萬元整(合約編號：MOST-N-107-00220)。
5. **黃啟彰**\* (2018/07)。健康促進暨體能表現提升益生菌合作開發與應用。豐華生物科技股份有限公司。菌種分讓技轉金額：新台幣 20萬元整(校內會計編號：NTSU-1071051)。
6. **黃啟彰**\* (2018/09)。具備調整體脂肪及控制體重益生菌合作開發與應用。豐華生物科技股份有限公司。菌種分讓技轉金額：新台幣 20萬元整(校內會計編號：NTSU-1071068)。
7. **黃啟彰**\* (2018/12)。健康促進暨體能表現提升益生菌合作開發與應用。豐華生物科技股份有限公司。動物功效試驗技轉金額：新台幣 40萬元整(校內會計編號：NTSU-1071051)。

## III. 專利：

1. Chen YM, Tsai TY, **Huang CC**\* (2019) Use of *Lactobacillus plantarum* composition for manufacturing anti-fatigue probiotic composition to improve exercise performance. (US patent No.:



US 10,188,685) (\* principal inventor)

2. Shyur LF\*, Hou CC, Wu JH, Chen YP, Wang SY, Huang CC, Yang NS (2009) Cancer and inflammatory disorder treatment. (US patent No.: US 7,547,455 B2) (\* principal inventor)
3. 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號。(103年度國家發明創作獎-發明獎銀牌)
4. 黃啟彰\*、徐藝洳、霍華明、溫雅婷、魏立(2019)一種大豆分離蛋白用於製備產後婦女運動訓練時提高運動表現、增強身體組成及降低疲勞之食品或藥物的用途。中華民國專利。中華民國專利 I 667961號。(專利權期間：自2019年8月11日至2038年1月14日止)
5. 陳奕鳴、蔡宗佑、黃啟彰\*(2017)胚芽乳酸桿菌用於製備改善運動表現及降低肌肉疲勞之益生菌組合物之用途。中華民國專利。中華民國專利 I 583388號。(專利權期間：自2017年5月21日至2036年8月23日止)
6. 陳奕鳴、高俊雄、黃啟彰\*(2018)一種酒粕蛋白用於製備運動訓練時提高人體運動能力、增強身體組成、抗疲勞與降低發炎反應之藥物的用途。中華民國專利。中華民國專利 I 615098號。(專利權期間：自2018年2月21日至2036年8月15日止)

#### IV. 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。

#### V. 研究經費來源：

##### 一、科技部計畫 (<https://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)
107	專題研究計畫 (產學合作研究計畫-開發型)	運動生理學	克菲爾乳酸飲料在抗疲勞及增進運動表現之功能評估-2 (MOST-107-2622-H-179-001-CC2)	計畫主持人	810,000
107	專題研究計畫 (一般型研究計畫)	運動生理學	以天生耐力運動強弱小鼠平台探討有氧能力在代謝疾病與老化所扮演之角色 (MOST-107-2410-H-179-006-MY3)	計畫主持人	3,393,000
107	延攬科技人才 (延攬博士後研究人才)	運動生理學	以天生耐力運動強弱小鼠平台探討有氧能力在代謝疾病與老化所扮演之角色 (MOST-108-2811-H-179-500)	計畫主持人	495,600
106	專題研究計畫 (產學合作研究計畫-開發型)	運動生理學	克菲爾乳酸飲料在抗疲勞及增進運動表現之功能評估 (MOST-106-2622-H-179-001-CC2)	計畫主持人	808,000
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	4,096,000
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 (MOST-102-2628-B-179-001-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

## 二、產學合作計畫(僅列計畫主持人)

