CURRICULUM VITAE

Chi-Chang Huang, Ph. D.
Associate Professor (2013/08 – to date)
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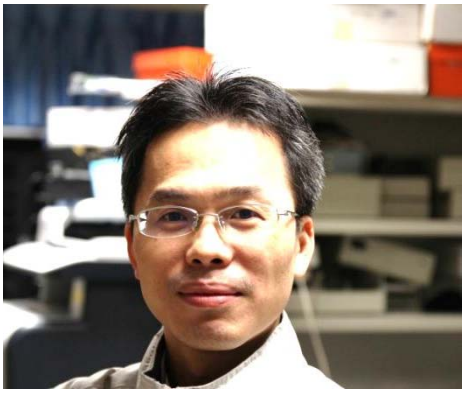


■ EDUCATION

Ph. D.	**School of Pharmacy, Taipei Medical University** (09/2001~ 06/2005) **Dissertation Title:** Effects of Chronic Alcoholic Toxicity on Antioxidative Status and Hepatic Morphologic Changes by Lieber-DeCarli Animal Model **Advisor:** Professor Suh-Ching Yang
M.Sc.	**Graduate Institute of Nutrition & Health Science, Taipei Medical University** (09/1999~ 06/2001) **Thesis Title:** Effect of β-Carotene on Alcoholic Liver Disease in Rats **Advisor:** Professors Ming-Jer Shieh and Suh-Ching Yang
B.Sc.	**Applied Life Science, Fu-Jen University** (09/1995~06/1999)

■ ACADEMIC EXPERIENCE

08/2010- 07/2013	**Assistant Professor** Graduate Institute of Sports Science, National Taiwan Sport University
08/2010- 07/2013	**Adjunct Assistant Professor** School of Nutrition and Health Sciences, Taipei Medical University
02/2010- 07/2010	**Post-Doctoral Research Fellow** School of Nutrition and Health Sciences, Taipei Medical University **PI:** Suh-Ching Yang, Professor
09/2006- 01/2010	**Post-Doctoral Research Fellow** Agricultural Biotechnology Research Center, Academia Sinica **PI:** Lie-Fen Shyur, Research Fellow
01/2006- 08/2006	**Post-Doctoral Research Fellow** Institute of BioAgricultural Sciences, Preparatory Office, Academia Sinica **PI:** Lie-Fen Shyur, Research Fellow
07/2005- 09/2005	**Post-Doctoral Research Fellow** Institute of BioAgricultural Sciences, Preparatory Office, Academia Sinica **PI:** Lie-Fen Shyur, Research Fellow

■ ADMINISTRATIVE SERVICES

02/2015- to date	Director of Industry-Academic Collaboration & Innovation Incubator Center, Office of Research & Development, National Taiwan Sport University
08/2013- to date	Executive Editor, Sports Coaching Science, Taiwan Sports Coach Association
08/2012- 07/2013	Director of Industry-Academic Collaboration & Innovation Incubator Center, Office of Research & Development, National Taiwan Sport University
08/2010- 07/2012	Chief of Admission Section, Office of Academic Affairs, National Taiwan Sport University

■ Honor and Awards

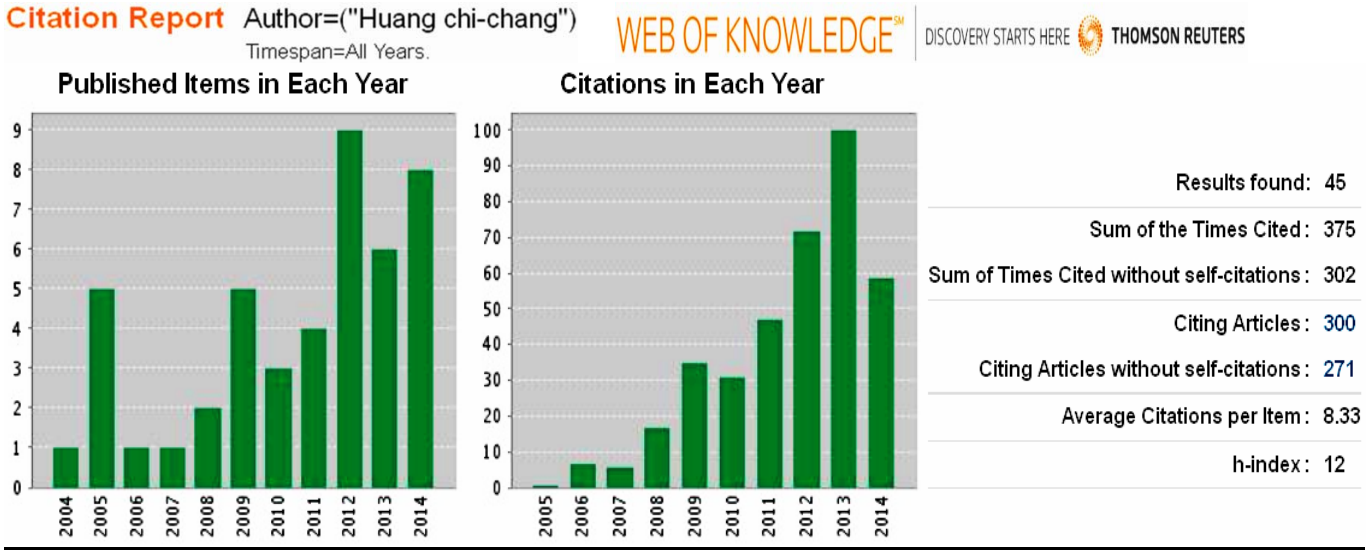
12/2014	**Good Award,** Research and Development Award in Sports Science, Sports Administration, Ministry of Education, R.O.C.
11/2014	**Silver Medal Award,** National Invention and Creation Award, Intellectual Property Office, Ministry of Economic Affairs, R.O.C.
12/2013	**Excellent Award,** Research and Development Award in Sports Science, Sports Administration, Ministry of Education, R.O.C.
08/2013- 07/2016	**Special Talent Award,** Ministry of Science and Technology, R.O.C.
2015/09	**Appointed to the Academy of Teaching Excellence Award**, National Taiwan Sport University, R.O.C.
2015/02	**Good Tutor Award**, National Taiwan Sport University, R.O.C.
2013-2015	**Industry Cooperation Award**, National Taiwan Sport University, R.O.C.
2011-2015	**Academic Research Award**, National Taiwan Sport University, R.O.C.

■ Peer Reviewer (Since year 2010)

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*.

I. PUBLICATIONS

(A) Papers Published in Refereed Journals (JCR Science Edition 2014)



To view or download any Publication, you are welcome to contact with me for a copy by e-mail.

1. 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*)
2. 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*)
3. 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*)
4. 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*)
5. 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*)
6. 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*)
7. 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: 8742-8753. **(Correspondence) (SCI)** (IF=1.891; Ranking= 40/76 (52.6%) in *Pathology*)
8. 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*)

9. 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*)
10. 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: 9)
11. 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: 2)
12. 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*)
13. **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*)
14. **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*)
15. **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)
16. 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: 2)
17. **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*)
18. **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*)
19. 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*)
20. 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: 8)

21. 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*)
22. 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: 1)
23. 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: 3)
24. **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)
25. 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: 16)
26. **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)
27. **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)
28. 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*)
29. **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: 7)
30. 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: 11)
31. 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: 7)

32. 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: 10)
33. 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)
34. 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: 7)
35. 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: 11)
36. 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: 1)
37. 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*)
38. **Huang CC**, Tung YT, Cheng KC, and Wu JH* (2011) Phytocompounds 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: 4)
39. 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: 7)
40. 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: 9)
41. 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: 6)
42. 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: 11)

43. **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: 24)
44. **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: 22)
45. **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: 13)
46. **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: 26)
47. 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: 11)
48. 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: 29)
49. 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 CCl_4-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: 14)
50. **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: 25)
51. Shyur LF*, **Huang CC**, Lo CP, Chiu CY, Chen YP, Wang SY, and Chang ST (2008) Hepatoprotective phytocompounds 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: 19)
52. 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: 16)
53. 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)

54. **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)
55. 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)
56. 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)
57. 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: 9)
58. 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*)
59. 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)
60. 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)
61. 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)
62. 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.
63. Lo YC, Chen YM, Wang KH, and **Huang CC*** (2014) An Investigation of a sport nutrition supplement- whey protein and its multibiological functions. ***Sports Coaching Science*** (Accepted) [Chinese article]
64. 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]
65. Chen PY and **Huang CC*** (2014) Effects of resveratrol on skeletal muscle energy metabolism and physical performance. ***Journal of Chang Gung University of Science and Technology*** (In press) [Chinese article]
66. Tsai YJ, Chen YM, and **Huang CC*** (2014) Nutritional Characteristics and Biological Functions of

Sake Lees Hydrolysate. ***Journal of Chang Gung University of Science and Technology*** (In press) [Chinese article]

67. Chang KW, Hsu CY, Lin WT*, and **Huang CC*** (2014) The role of SIRT1/PGC-1α axis in the exercise-regulated biological functions of skeletal muscle. ***Journal of Chang Gung University of Science and Technology*** (In press) [Chinese article]
68. 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*** (In press) [Chinese article]
69. Lin CH, and **Huang CC*** (2013) The Impact of Exercise on Cellular Senescence. ***Zhong Hua Ti Yu*** 27: 53-60. [Chinese article]
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77. 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 chloesterol diet. ***Nutritional Sciences Journal*** 26: 22-31. [Chinese article]

(B) Patents:

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. Shyur LF*, Hou CC, Wu JH, Chen YP, Wang SY, **Huang CC,** and Yang NS (2011) Extracts and compositions of galactolipids havimg anticancer and anti-inflammatory activities. **(Taiwan Patent No.: 096133237)** (* principal inventor)

(C) Books, Thesis and Dissertation, and Others:

1. Hsu CY, Lai MH, Chao CY, Lai CL, Wang YY, Huang CC, Hsiao CY, and Hsiao W (2007) An Introduction to Nutrition and Metabolism (Translate Book). Wunan Book Co., Ltd. (ISBN：

9789571149462) [Chinese]

2. **Huang CC** (2005) Effects of Chronic Alcoholic Toxicity on Antioxidative Status and Hepatic Morphologic Changes by Lieber-DeCarli Animal Model. (Ph.D. Dissertation, Taipei Medical University) [Chinese]
3. **Huang CC** (2001) Effect of β-Carotene on Alcoholic Liver Disease in Rats. (Master Thesis, Taipei Medical University) [Chinese]

II. Research Project Grants:

A. Ministry of Science and Technology (MOST), the successor to the National Science Council (NSC) (https://nscnt07.nsc.gov.tw/WRS/)

Year	Funding type	Area of Research	Research Project Title (Project Period)	PI/ Co-PI	Budget (NT$)
2015	Specific-Topic Research Project (Project for Excellent Junior Research Investigators)	Exercise Physiology	Application of sportomics approaches to elucidate the specific molecular profiling and biological significance for high and low intrinsic aerobic exercise capacity in mice (MOST-104-2628-H-179-001-MY3) (2015/8/1~2018/7/31)	**PI**	3,976,000
2013	Specific-Topic Research Project (Project for Excellent Junior Research Investigators)	Exercise Physiology	Integrative microRNA and Proteomic Approaches to Elucidate a Single Bout of Exhaustive Exercise- and Endurance Exercise Training-Specific Molecular Profiling and Their Collaborative Biological Significance (NSC-102-2628-H-179-001-MY2) (2013/8/1~2015/7/31)	**PI**	1,844,000
2013	Specific-Topic Research Project (Project for Excellent Junior Research Investigators)	Nutrition and Health Sciences	The Role of Gut Microbiota in Shaping the Host Energy Metabolism and Exercise Performance (NSC-102-2628-B-179-001-MY3) (2013/8/1~2016/7/31)	**PI**	3,848,000
2012	Specific-Topic Research Project (General Research Project)	Nutrition and Health Sciences	Application of Proteomic Approach to Study Key Biomarker Signatures for Gut Microbiota in Shaping the Host Energy Metabolism and Being a Viable Energy Source to Improve Exercise Performance (NSC-101-2320-B-179-001) (2012/8/1~2013/7/31)	**PI**	900,000
2011	Specific-Topic Research Project (Project for Junior Researcher)	Exercise Physiology	Application of Metabolomics in the Study Frail Middle-Aged and Older Adults, and Nutrition Intervention (NSC-100-2410-H-179-012) (2011/8/1~2012/7/31)	**PI**	469,000
2015	Specific-Topic Research Project (Minor Alliances between Academia and Industry)	Exercise Physiology	Sports and Bio-technical Products University-industry Technology Alliance (MOST-104-2622-H-037-001) (2015/02/1~2016/01/31)	**Co-PI**	2,000,000
2015	Specific-Topic Research Project (General Research Project)	Exercise Physiology	Effects of Supplementation with Hematinics in Chinese Medicine on Erythrocytes Synthesis and Exercise Performance (MOST-104-2410-H-037-004-MY2) (2015/8/1~2017/7/31)	**Co-PI**	2,375,000
2015	Specific-Topic Research Project (General Research Project)	Exercise Physiology	Metabolomic investigation into variations of metabolic profile between elite sprint and long-distance runners and protective effects of resveratrol on exercised-induced oxidative stress(III) (MOST-104-2410-H-182-015) (2015/8/1~2016/7/31)	**Co-PI**	1,266,000
2015	Specific-Topic Research Project (Project for Junior Researcher)	Physiology	Tyrosine Phosphorylation Linked to Cardiac Arrhythmias via Pacemaker and L-type Calcium Channels (MOST-104-2320-B-034-003) (2015/8/1~2016/7/31)	**Co-PI**	747,000
2014	Specific-Topic Research Project	Exercise Physiology	Core Technology of Physiological and Biochemical Functional Assessments Applied in Industry (NSC-103-2622-H-037-001) (2014/2/1~2015/1/31)	**Co-PI**	1,841,000

	(Minor Alliances between Academia and Industry)				
2014	Specific-Topic Research Project (Academia-Industry Collaboration Project-Application Type)	Exercise Physiology	Antifatique evaluation and quality control of Burdock energetic drink (MOST-103-2622-H-127-001-CC3) (2014/02/1~2015/01/31)	**Co-PI**	648,000
2014	Specific-Topic Research Project (General Research Project)	Exercise Physiology	Metabolomic investigation into variations of metabolic profile between elite sprint and long-distance runners and protective effects of resveratrol on exercised-induced oxidative stress(II-III) (MOST-103-2410-H-182-020) (2014/8/1~2015/7/31)	**Co-PI**	1,036,000
2012	Specific-Topic Research Project (General Research Project)	Exercise Physiology	Effects of Supplementation with Yang-Invigorating Agents in Chinese Medicine on Hormone Levels and Exercise Performance (NSC-101-2410-H179-001-MY3) (2012/8/1~2015/7/31)	**Co-PI**	3,489,000

V. The Research Theme of Our Laboratory

1. Energy Metabolic Signaling Network (Basic Research)

2. Exercise-Small Molecules Interaction (Unique)

3. R&D of Ergogenic Aids and Health Food (Industry)

4. Application of Interdisciplinary "Omics" Approaches for Our Interest Topics