

英文網頁資料-莊弘毅老師



Name : Hung-Yi Chuang

Citizenship: Taiwan (R.O.C.)

Appointment and Address:

Professor, Department of Public Health, Kaohsiung Medical University.

#100 Shin-Chuan 1st Road, Kaohsiung 807, Taiwan.

Professor and Attending Physician, Department of Occupational and Environmental Medicine, Kaohsiung Medical University Hospital.

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Education :

1983-90 Doctor of Medicine (M.D.)

Kaohsiung Medical College, Kaohsiung, Taiwan

1990-92 Master of Science in Public Health (MSPH)

College of Medicine, National Taiwan University, Taipei, Taiwan

1996-97 Master of Occupational Health (MOH)

Harvard School of Public Health, Harvard University, Boston, U.S.A

1997-99 Doctor of Science (Sc.D., in Occupational Health)

Harvard School of Public Health, Harvard University, Boston, U.S.A

Award and Honor :

1990 Student Award for Public Service in Kaohsiung Medical College

1994 Governmental scholarship for study of occupational health by Ministry of Education, Taiwan

1996 Scholarship of Endowment for Physician Education (Harvard University)

1999 Antonio Award for Research in Occupational Health and Safety (American Bureau for Medical Advancement in China)

2000 Annual General Research Award, supported by National Science Council (NSC), Taiwan

2001 Annual General Research Award, supported by National Science Council (NSC), Taiwan

2002 Young Scientist Award in the 14th International Conference of the International Society of Environmental Epidemiology

2002, 2005-2013 The Best Research Award in Kaohsiung Medical University

2014-2017 President of the Asian Association of Occupational and Environmental Health, ACOH

Experiences :

- 1989-90 Rotating internship, in the Chang-Gung Memorial Hospital, Lin-Kou, Taipei, Taiwan.
- 1990-92 Research assistant, Graduate Institute of Public Health, College of Medicine, National Taiwan University. Researches involved:
- Investigation about an outbreak of lead intoxication in a ceramic enamel factory.
 - A follow-up study about lead battery recycling workers suffering from retinal vasculitis.
 - Surveillance of lead battery factories in Taiwan area and the computerization of their periodic health examination data
 - Lead analysis laboratory and participator of C.D.C.(USA) interlaboratory control (QA/QC) program about blood lead.
- 1991-92 Resident, Center for the Research of Environmental and Occupational Diseases, College of Medicine, National Taiwan University, Taipei.
- 1992-94 Resident, Department of family medicine, National Cheng-Kung University Hospital, Tainan city.
- 1994-96 Fellow physician, Center for Environmental and Occupational Health, Provincial Tao-Yuan General Hospital, Tao-Yuan city.
- 1996-99 Research assistant and doctoral student in the program of occupational health, Harvard School of Public Health, Harvard University, Boston MA, USA.
- 1999- Attending physician, Department of Occupational Medicine, Kaohsiung Medical University Hospital, Kaohsiung City.
- 2000-04 Assistant professor, Department of Public Health, Kaohsiung Medical University.
- 2004-06 Commissioner, the Health Bureau of Kaohsiung County Government.
- 2004-09 Associate professor, Department of Public Health, Kaohsiung Medical University.
- 2006-09 Director, Department of Public Health, Kaohsiung Medical University.
- 2006-12 Professor and Director-in-general of Kaohsiung Medical University.

License Obtained :

- 1990 Medical license examination in Taiwan
- 1992 Superior grade of official physician, Taiwan
- 1994 Occupational physician specialist, Taiwan
- 1995 Physician specialist in family medicine, Taiwan

Membership :

- Member of the Environmental and Occupational Medicine Association, Taiwan
- Member of the Association of Family Medicine of Taiwan
- Member of the International Society of Environmental Epidemiology (ISEE)

International Conference Presentation (in the recent 5 years, 2009-):

1. Yu-Wen Chiu, Hung-Yi Chuang*, Tin-Yi Lin. The Effects of Blood Lead and HFE Polymorphism on Serum Iron and RBC Mean Corpuscular Volume among Lead Workers in Taiwan. Presented in the 29th International Congress on Occupational Health, Cape Town, South Africa, March 22-27, 2009. (* correspondent)
2. Chia-Chen Hsieh, Te-Yu Liu, Yu-Wen Chiu, Hung-Yi Chuang*. The Effects of Lead Exposure on the Activities of δ -Aminolevulinic Acid Dehydratase (ALAD) with the Modification of the Relative Genotypes. Presented in the 21st annual conference of International Society for Environmental Epidemiology, Dublin, Ireland, 25th - 29th August, 2009.

3. Hung-Yi Chuang, Chia-Chen Hsieh, Ching-Yu Wu, Ming-Chung Hsieh, Che-Hsuan Tsai. A Survey of Breast-feeding Promotion in the Corporations with the Accredited of Healthy Workplace. Presented in the 21st International Conference on Epidemiology in Occupational Health, Taipei, Taiwan, Apr 21-15, 2010.
4. Hung-Yi Chuang. The influence of milk intake on the lead toxicity to the sensory nervous system in lead workers. Invited speaker in the 4th Academic Congress of International Chinese Neurosurgical Sciences, Chengdu, China, Jun 18-20, 2010.
5. Yu-Wen Chiu, Tao-Loung Lin, Chien-Juan Chen, Yi-Chun Chen, Hung-Yi Chuang*. The association of lead exposure and impairment of brainstem auditory evoked response and cochlea function. Presented in the 2010 Joint Conference of International Society of Exposure Science & International Society for Environmental Epidemiology (ISES-ISEE 2010), Seoul, Korea, Aug. 28- Sep.01, 2010.
6. Yu-Wen Chiu, Chia-Tsuan Huang, Hung-Yi Chuang*. Factors Influencing Mood Problems and Prolonged Grief in Caregivers Who Cared for Terminal Cancer Patients in Taiwan. Presented in the the First International Multidisciplinary Forum on Palliative Care, Budapest, Hungary, Nov. 11-14, 2010.
7. Wen-Yi Lin*, Ming-Tsang Wu, Ming-Lung Yu, Meng-Hsuan Hsieh, Chao-Kuan Huang, Jeng-Fu Yang, Chao-Ling Wang, Chung-Feng Huang, Chia-I Lin, Chia-Yen Dai, Hung-Yi Chuang*. Study and Promotion of Occupation Exposure relating abnormality for Workers in Hairdresser and Cosmetologist. Presented in the 22st International Conference on Epidemiology in Occupational Health, Oxford, United Kindom, Sep. 7-9, 2011.
8. Yu-Wen Chiu, Hung-Yi Chuang. Air Pollution and Hematotoxicity – A Population-Based Study in Taiwan. Presented in the 23rd International Conference of International Society for Environmental Epidemiology (ISEE), Barcelona, Spain, Sep. 13-16, 2011.
9. Yu-Wen Chiu, Te-Yu Liu, Hung-Yi Chuang*. The Effects of Lead Exposure on the Activities of δ -Aminolevulinic Acid Dehydratase with the Modification of the Relative Genotypes. Presented in the 16th International Conference on the Heavy Metals in the Environment, Rome, Italy, Sep.23-27, 2012. (* correspondent)
10. Hung-Yi Chuang, Hsiao-Yuan Cheng, Chien-Juan Chen, Yu-Wen Chiu. The Association of Haematological Toxicity and Ambient Air Pollutants: A Population-Based Study in Taiwan. Presented in the Environmental Health 2013 Conference, Boston, Massachusetts, USA, 3-6 March 2013.
11. Chia-Tsuan Huang, Yu-Tsz Chang, Kun-Yu Chao, Hung-Yi Chuang*. Evaluation of Health Promoting Projects at Workplace in Taiwan. Presented in the WONCA 2013, the 20th World Conference, Prague, Czech, 25-29 June 2013.
12. Chen-Cheng Yang, Hsin-I Chen, Hung-Yi Chuang*. Metallothionein 1A Polymorphisms May Be Associated with Uric Acid Excretion in Chronic Lead-exposed Workers. Presented in the 25th International Conference of International Society for Environmental Epidemiology (ISEE), ISEA, and ISIAQ combined conference, Basel, Switzerland, 19-23 August, 2013.
13. Yu-Wen Chiu, Hsiao-Yuan Cheng, Hung-Yi Chuang*. Hematotoxicity of Short-Term Exposure toward Air Pollutants - A Population-Based Study in Kaohsiung City. Presented in the 2013 Urban Environmental Pollution Conference, Beijing, China, 17-20 November 2013.
14. Ya-Han Shen, Chien-Juan Chen, Hung-Yi Chuang*. A Study of Blood Multi-element Concentrations in Lead-exposed and Non-exposed Workers. Presented in the 24th International Epidemiology in Occupational Health (EPICOH) Conference, Chicago, U.S.A., 24-27 June 2014.

Publications (in the recent 5 years, 2009-):

1. Hsieh TJ, Jaw TS, Chuang HY, Jong YJ, Liu GC, Li CW. Muscle metabolism in Duchenne muscular dystrophy assessed by in vivo proton magnetic resonance spectroscopy. *J Comput Assist Tomogr*. 2009 Jan-Feb; 33(1):150-4. (SCI listed journal, PMID: 19188804)
2. Tsai WH, Huang TC, Huang JJ, Hsue YH, Chuang HY*. Dispersive solid-phase microextraction method for sample extraction in the analysis of four tetracyclines in water and milk samples by high-performance liquid chromatography with diode-array detection. *J Chromatogr A*. 2009 Mar;1216(12):2263-9. (*Correspondent) (SCI listed journal, PMID: 19185868)
3. Chuang HY, Huang JJ, Huang YC, Liu PL, Chiu YW, Wang MC. The use of fine nets to prevent the breeding of mosquitoes on dry farmland in southern Taiwan. *Act Trop* 2009 ; 110 Apr: 35-7 (SCI listed journal, PMID: 19183549)
4. Hsieh SJ, Chiu YW, Li WF, Wu CH, Chen HI, Chuang HY*. Increased concentrations of serum inhibin B among male workers with long-term moderate lead exposure. *Sci Total Environ* 2009 Apr; 407: 2603-7 (*Correspondent) (SCI listed journal, PMID: 19193394) (NSC90-2320-B-037-045, and 95-2314-B-037 -083)
5. Wu CL, Yu KL, Chuang HY, Huang MH, Chen TW, Chen CH. The application of infrared thermography in the assessment of patients with coccygodynia before and after manual therapy combined with diathermy. *J Manipulative Physiol Ther*. 2009 May;32(4):287-93. (SCI listed journal, PMID: 19447265)
6. Chou SH, Chuang HY, Huang MF, Lee CH, Yau HM. A prospective comparison of transthoracic and transhiatal resection for esophageal carcinoma in Asians. *Hepatogastroenterology*. 2009 May-Jun;56(91-92):707-10. (SCI listed journal, PMID: 19621686)
7. Hsieh TJ, Chen YC, Li CW, Liu GC, Chiu YW, Chuang HY*. A proton magnetic resonance spectroscopy study of the chronic lead effect on the basal ganglion, frontal and occipital lobes in middle-aged adults. *Environ Health Perspect* 2009 Jun; 117(6): 941-5. (*Correspondent) (SCI listed journal, PMID: 19590687) (NSC96-2314-B-037-049, and NHRI-CN-PD9611P)
8. Tan TY, Lu CH, Chuang HY, Lin TK, Liou CW, Chang WN, et al. Long-term antiepileptic drug therapy contributes to the acceleration of atherosclerosis. *Epilepsia*. 2009 Jun;50(6):1579-86. (SCI listed journal, PMID: 19292757)
9. Wang FW, Chiu YW, Tu MS, Chou MY, Wang CL, Chuang HY*. Chronic fatigue of the small enterprise workers participating in an occupational health checkup center in southern Taiwan. *Int Arch Occup Environ Health*. 2009 Jul;82(7):819-25. (*Correspondent) (SCI listed journal, PMID: 19468744) (NHRI-CN-PD9611P)
10. Chiu YW, Chuang HY, Huang MC, Wu MT, Liu HW, Huang CT. Comparison of Plasma Antioxidant Levels and Related Metabolic Parameters Between Smokers and Non-smokers. *Kaohsiung J Med Sci*. 2009 Aug;25(8):423-30. (SCI listed journal, PMID: 19605336)
11. Hsieh TJ, Chang JM, Chuang HY, Ko CH, Hsieh ML, Liu GC, et al. End-stage renal disease: in vivo diffusion-tensor imaging of silent white matter damage. *Radiology*. 2009 Aug;252(2):518-25. (SCI listed journal, PMID: 19528357)
12. Hsieh TJ, Chuang HY, Chen YC, Wang CL, Lan SH, Liu GC, et al. Subclinical white matter integrity in subjects with cumulative lead exposure. *Radiology*. 2009 Aug;252(2):509-17. (SCI listed journal, PMID: 19546424)
13. Tsai WH, Chuang HY, Chen HH, Huang JJ, Chen HC, Cheng SH, Huang TC*. Application of dispersive liquid-liquid microextraction and dispersive micro-solid-phase extraction for the determination of quinolones in swine muscle by high-performance liquid chromatography with

diode-array detection. *Anal Chim Acta* 2009 Dec; 656: 56-62 (SCI listed journal, PMID: 19932815)

14. Chiu YW, Huang CT, Chuang HY*, Chang YT, Wu MT, Liu HW. Sex differences in metabolic morbidities: influence by diet or exercise habits? *Kaohsiung J Med Sci.* 2009 Dec; 25(12):647-55. (*Correspondent) (SCI listed journal, PMID: 19951850)
15. Tsai WH, Huang TC, Chen HH, Wu YW, Huang JJ, Chuang HY*. Determination of sulfonamides in swine muscle after salting-out assisted liquid extraction with acetonitrile coupled with back extraction by a water/acetonitrile/dichloromethane ternary component system prior to high-performance liquid chromatography. *J Chromatogr A.* 2010 Jan; 1217(3): 250-255. (*Correspondent) (SCI listed journal, PMID: 19959176)
16. Tsai WH, Huang TC, Chen HH, Huang JJ, Hsu MH, Chuang HY*. Determination of tetracyclines in surface water and milk by the magnesium hydroxide coprecipitation method. *J Chromatogr A.* 2010 Jan; 1217(3): 415-418 (*Correspondent) (SCI listed journal, PMID: 20015512)
17. Lu CY, Chuang HY, Yu FJ, Sun LC, Shih YL, Chen FM, Hsieh JS, Wang JY. Hypocaloric peripheral parenteral nutrition with lipid emulsion in postoperative gastrointestinal cancer patients. *World J Gastrointest Oncol.* 2010 Jan 15;2(1):51-55. (PMID: 21160817)
18. Wang FW, Tu MS, Chuang HY, Yu HC, Cheng LC, Hsu PI. Erosive esophagitis in asymptomatic subjects: risk factors. *Dig Dis Sci.* 2010 May;55(5):1320-4. (SCI listed journal, PMID: 19685186)
19. Chiu ML, Li CW, Chang JM, Chiang IC, Ko CH, Chuang HY, et al. Cerebral metabolic changes in neurologically presymptomatic patients undergoing haemodialysis: in vivo proton MR spectroscopic findings. *Eur Radiol.* 2010 Jun;20(6):1502-7. (SCI listed journal, PMID:19997847)
20. Chen HI, Chiu YW, Hsu YK, Li WF, Chen YC, Chuang HY*. The association of metallothionein-4 gene polymorphism and renal function parameters in lead exposure workers. *Biol Trace Elem Res.* 2010 Oct;137(1):55-62. (*Correspondent) (SCI listed journal, PMID: 19921116) (NHRI-98A1-PDCO-0307101 and NSC97-2314-B-037 -021).
21. Chiu YW, Huang CT, Yin SM, Huang YC, Chien CH, Chuang HY*. Determinants of complicated grief in caregivers who cared for terminal cancer patients. *Support Care Cancer.* 2010 Oct; 18(10):1321–1327 (*Correspondent) (SCI listed journal, PMID: 19816716)
22. Wang TN, Lin MC, Wu CC, Leung SY, Huang MS, Chuang HY, et al. Risks of Exposure to Occupational Asthmogens in Atopic and Nonatopic Asthma: A Case-control Study in Taiwan. *Am J Respir Crit Care Med.* 2010 Dec 1; 182(11):1369-1376. (SCI listed journal, PMID: 20639444)
23. Tsai WH, Chuang HY, Chen HH, Wu YW, Cheng SH, Huang TC. Application of sugaring-out extraction for the determination of sulfonamides in honey by high-performance liquid chromatography with fluorescence detection. *J Chromatogr A.* 2010 Dec 3;1217(49):7812-5. (SCI listed journal, PMID: 21044783)
24. Lee CH, Chuang HY, Hong CH, Huang SK, Chang YC, Ko YC, et al. Lifetime exposure to cigarette smoking and the development of adult-onset atopic dermatitis. *Br J Dermatol.* 2011 Mar;164(3):483-9. (SCI listed journal, PMID: 21054333)
25. Wang FW, Tu MS, Mar GY, Chuang HY, Yu HC, Cheng LC, et al. Prevalence and risk factors of asymptomatic peptic ulcer disease in Taiwan. *World J Gastroenterol.* 2011 Mar 7;17(9):1199-203. (SCI listed journal, PMID: 21448426)
26. Chou YH, Woon PY, Huang WC, Shiurba R, Tsai YT, Wang YS, Hsieh TJ, Chang WC, Chuang HY. Divalent lead cations induce cyclooxygenase-2 gene expression by epidermal growth factor receptor/nuclear factor-kappa B signaling in A431 carcinoma cells. *Toxicol Lett.* 2011 Jun 10;203(2):147-53. (SCI listed journal, PMID: 21435385)

27. Chiu YW, Yin SM, Hsieh HY, Wu WC, Chuang HY*, Huang CT. Bereaved females are more likely to suffer from mood problems even if they do not meet the criteria for prolonged grief. *Psycho-oncology*. 2011; 20:1061-8 (*Correspondent) (SCI/SSCI listed journal, PMID: 20677330)
28. Chuang YC, Chuang HY, Lin TK, Chang CC, Lu CH, Chang WN, et al. Effects of long-term antiepileptic drug monotherapy on vascular risk factors and atherosclerosis. *Epilepsia*. 2012 Jan;53(1):120-8 (SCI listed journal, PMID: 22085257).
29. Hong CH, Yu HS, Ko YC, Chang WC, Chuang HY, Chen GS, et al. Functional Regulation of Interleukin-31 Production by its Genetic Polymorphism in Patients with Extrinsic Atopic Dermatitis. *Acta Derm Venereol*. 2012 Aug; 92(4): 430-432 (SCI listed journal, PMID: 21952721).
30. Huang CJ, Hou MF, Chuang HY, Lian SL, Huang MY, Chen FM, et al. Comparison of Clinical Outcome of Breast Cancer Patients with T1-2 Tumor and One to Three Positive Nodes with or without Postmastectomy Radiation Therapy. *Jpn J Clin Oncol*. 2012 Aug;42(8):711-20. (SCI listed journal, PMID: 22645150).
31. Hou WH, Sheu CF, Liang HW, Hsieh CL, Lee Y, Chuang HY*, et al. Trajectories and predictors of return to work after traumatic limb injury - a 2-year follow-up study. *Scand J Work Environ Health*. 2012 Sep;38:456-66. (*Correspondent) (SCI/SSCI listed journal, PMID: 22388635)
32. Lee CH, Hong CH, Yu WT, Chuang HY, Huang SK, Chen GS, et al. Mechanistic correlations between two itch biomarkers, IL-31 cytokine and beta-endorphin neuropeptide, via STAT3/calcium axis in atopic dermatitis. *Br J Dermatol*. 2012 ;167:794-803. (SCI listed journal, PMID: 22578170)
33. Chen HI, Shinkai T, Utsunomiya K, Yamada K, Sakata S, Fukunaka Y, Hwang R, De Luca V, Ohmori O, Kennedy JL, Chuang HY, Nakamura J. Possible Association of Nicotinic Acetylcholine Receptor Gene (CHRNA4 and CHRNB2) Polymorphisms with Nicotine Dependence in Japanese Males: An Exploratory Study. *Pharmacopsychiatry* 2013 Mar;46(2):77-82. (SCI, PMID: 23037950)
34. Hou WH, Liang HW, Sheu CF, Hsieh CL, Chuang HY*. Return to work and quality-of-life in workers with traumatic limb injuries: a 2-year repeated measurements study. *Arch Phys Med Rehabil* 2013 Apr;94(4):703-10.. (*Correspondent) (SCI, PMID: 23206657)
35. Yang CC, Chen HI, Chiu YW, Tsai CH, Chuang HY*. Metallothionein 1A Polymorphisms May Influence Urine Uric Acid and N-acetyl-beta-D-glucosaminidase (NAG) Excretion in Chronic Lead-exposed Workers. *Toxicology* 2013 Apr;306:68-73. (*Correspondent)(SCI, PubMed PMID: 23429061).
36. Chen CC, Yen HW, Lo YH, Chu YH, Chiu YW, Chuang HY*. The Association of Prolonged QT Interval on Electrocardiography and Chronic Lead Exposure. *J Occup Environ Med*. 2013 June; 55(6): 614-619. (*Correspondent)(SCI, PubMed PMID: 23429061)
37. Yang CH, Chiu YW, Huang CT, Haung YW, Chuang HY. A comprehensive approach in hospice shared care in Taiwan: Nonelderly patients have more physical, psychosocial and spiritual suffering. *Kaohsiung J Med Sci*. 2013 Aug; 29(8):444-50. (SCI, PubMed PMID: 23906235)
38. Yap YS, Chuang HY, Chi WC, Lin CH, Wu YW, Chang PC, et al. Factors related to nephrotic-range proteinuria in late-stage chronic kidney disease patients with diabetes mellitus. *Int Urol Nephrol*. 2013 Oct;45(5):1327-37 (SCI, PubMed PMID: 23355027)
39. Hou WH, Chi CC, Lo HLD, Kuo KN, Chuang HY. Vocational rehabilitation for enhancing return-to-work in workers with traumatic upper limb injuries. *Cochrane Database of Systematic Reviews* 2013, Issue 10. Art. No.: CD010002. DOI:10.1002/14651858.CD010002.pub2 (*Correspondent) (SCI)

40. Hou WH, Liang HW, Hsieh CL, Sheu CF, Hwang JS, Chuang HY*. Integrating health-related quality of life with sickness leave days for return-to-work assessment in traumatic limb injuries. *Qual Life Res.* 2013 Nov;22(9):2307-14. (*Correspondent) (SCI, PubMed PMID: 23392909)
41. Chu PC, Fuh HR, Luo JC, Du CL, Chuang HY, Guo HR, Liu CS, Su CT, Tang FC, Chen CC, Yang HY, Guo YL. The impact of occupational health service network and reporting system in Taiwan. *Int J Occup Environ Health.* 2013 Oct-Dec;19(4):352-62. (SCI, PubMed PMID: 24588042)
42. Yap YS, Chuang HY, Chien CM, Tai YK. Relationship between peripheral artery disease and combined albuminuria and low estimated glomerular filtration rate among elderly patients with type 2 diabetes mellitus. *Diab Vasc Dis Res.* 2014 Jan;11(1):41-7. (SCI, PubMed PMID: 24227538).
43. Chen TH, Hsiao HP, Chiu YW, Shih NH, Chuang HY*, Huang CT. Maternal diabetes or hypertension and lifestyle factors may be associated with metabolic syndrome: A population-based study in Taiwan. *Kaohsiung J Med Sci.* 2014 Feb; 30(2): 86-93 (*Correspondent) (SCI, PubMed PMID: 24444538).
44. Yang YC, Tu HP, Hong CH, Chang WC, Fu HC, Ho JC, Chang WP, Chuang HY*, Lee CH*. Female gender and acne disease are jointly and independently associated with the risk of major depression and suicide: a national population-based study. *Biomed Res Int.* (formerly titled *Journal of Biomedicine and Biotechnology*) 2014 Feb; 2014:504279 (*Correspondent) (SCI, PMID: 24678508)
45. Tsai HJ, Hsieh MY, Tsai YC, Liu ZY, Hsieh HY, Lee CM, Chien CH, Chiu YW, Chuang HY*, Huang CY. Liver function tests may be useful tools for caring patients with advanced cancers: A preliminary single-center result. *Kaohsiung J Med Sci.* 2014 Mar; 30(3):146-152 (*Correspondent) (SCI, PubMed PMID: 24581215)
46. Wang FW, Hsu PI, Chuang HY, Tu MS, Mar GY, King TM, Wang JH, Hsu CW, Chang CH, Chen HC. Prevalence and risk factors of asymptomatic colorectal polyps in Taiwan. *Gastroenterol Res Pract* 2014 Jun;2014:985205. (SCI, PubMed PMID: 25050119; PMID:4094704)
47. Lin YT, Wu PH, Lin CY, Lin MY, Chuang HY, Huang JF, Yu ML, Chuang WL. Cirrhosis as a risk factor for tuberculosis infection--a nationwide longitudinal study in Taiwan. *Am J Epidemiol* 2014 Jul;180(1):103-10. (SCI, PubMed PMID: 24829509)
48. Hung SC, Kung CT, Hung CW, Liu BM, Liu JW, Chew G, Chuang HY, Lee WH, Lee TC. Determining delayed admission to intensive care unit for mechanically ventilated patients in the emergency department. *Crit Care* 2014 Aug;18(4):485-493. (SCI, PubMed PMID:25148726; PMID: PMC4175615)
49. Wu CY, Huang CJ, Chiu YW, Huang CT, Chuang HY*. A retrospective analysis of the factors associated with hypercalcaemia in patients with advanced cancer. *Eur J Cancer Care (Engl).* 2014 Sep;23(5):695-700 (*Correspondent) (SCI, PubMed PMID: 24304462).
50. Chan CP, Tsai YT, Chen YL, Hsu YW, Tseng JT, Chuang HY, et al. Pb induces gastrin gene expression by extracellular signal-regulated kinases 1/2 and transcription factor activator protein 1 in human gastric carcinoma cells. *Environ Toxicol.* 2013 Jun 14. (In press) (SCI, PubMed PMID: 23765435)
51. Lin YC, Wei PL, Tsai YT, Wong JH, Chang CM, Wang JY, Hou MF, Lee YC, Chuang HY, Chang WC. Pb induced IL-8 gene expression by extracellular signal-regulated kinases and the transcription factor, activator protein 1, in human gastric carcinoma cells. *Environ Toxicol.* 2013 Sep 17. (In press) (SCI, PubMed PMID: 24106166)

Research Grants of Serving as Principal Investigator (in the recent 5 years, 2009-):

2009-2010	The Research of Oxidant Stress and Related Genotypes on Cardiovascular System among Lead Workers	NSC98-2314-B-037-061-MY2
2010-2013	Epidemiological studies on the effect of infrared radiation on human health	NSC99-2632-B-037-001-MY3
2010-2011	The interference of infected hepatitis B in liver functions of lead workers	NSC100-2314-B-037-026-
2011-2012	The cohort and toxicological studies of lead workers with their comparative population	NSC101-2314-B-037 -056
2013-2016	The interaction of lead and multiple metals toxicological studies for lead worker cohort and the comparative population	NSC102-2314-B-037 -064 -MY3