

## 中臺科技大學教師個人資料表

### 一、基本資料

中文姓名	許學全	英文姓名	
			(Last Name) (First Name) (Middle Name)
聯絡電話	校內分機：04-22391647 轉 7422(宅)： (手機)：		
e-mail	hchsu@ctust.edu.tw		

### 二、主要學歷 請填學士級以上之學歷或其他最高學歷均可，若仍在學者，請在學位欄填「肄業」。

畢／肄業學校	國別	主修學門系所	學位	起訖年月(西元年/月)
國立中興大學		材料工程	博士	_____ 至 _____
國立成功大學		材料工程	碩士	_____ 至 _____
國立中央大學		化學工程	學士	_____ 至 _____
				_____ 至 _____

### 三、現任系所及與專長相關之經歷 指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務單位	職稱	起訖年月(西元年/月)
現職：中臺科技大學牙體技術暨材料系	教授	
		_____/____/____
經歷：		
		_____/____/____ 至 _____/____/____
		_____/____/____ 至 _____/____/____
		_____/____/____ 至 _____/____/____

### 四、專長 請自行填寫與研究方向有關之學門名稱。

1. 金屬材料	2. 表面改質	3. 生醫材料	4. 牙科材料
5. 材料分析	6. 電化學	7.	8.

## Representative Publication in 5 Years :

### Journal Articles :

1. Shih-Ching Wu, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Ya-Chu Chang, Wen-Fu Ho Synthesis of hydroxyapatite from eggshell powders through ball milling and heat treatment, Journal of Asian Ceramic Societies, Volume 4, Issue 1, March **2016**, Pages 85-90.
2. Shih-Kuang Hsu, Pai-Ling Chang, Wen-Fu Ho, **Hsueh-Chuan Hsu**, Huei-Jyuan Liao, Shih-Ching Wu\* (**2015**, Dec). Osteogenesis ability of biomimetic modified 3Y-TZP ceramic using chemical treatment. Thin Solid Films, 596:118-127. (IF=1.759; MATERIALS SCIENCE, COATINGS & FILMS, R/C=6/17=35%,**SCI**)
3. Shih-Ching Wu, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Ya-Chu Chang, Wen-Fu Ho\* (**2015**, Nov). Effects of heat treatment on the synthesis of hydroxyapatite from eggshell powders. Ceramics International, 41:10718-10724. (IF=2.605; MATERIALS SCIENCE, CERAMICS, R/C=4/26=15%,**SCI**)
4. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Feng-Wei Lin, Wen-Fu Ho\* (**2015**, Aug). Fabrication and characterization of novel porous titanium microspheres for biomedical applications. Materials Characterization, 10:317-323. (IF=1.845; MATERIALS SCIENCE, CHARACTERIZATION & TESTING, R/C=4/33=12%,**SCI**)
5. Shih-Ching Wu, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu, Feng-Wei Lin, Wen-Fu Ho\* (**2015**, Jul). Preparation and characterization of porous calcium-phosphate microspheres. Ceramics International, 41:7596-7604. (IF=2.605; MATERIALS SCIENCE, CERAMICS, R/C=4/26=15%,**SCI**)
6. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Kuan-Huang Hsu, Wen-Fu Ho\* (**2015**, Mar). Machinability evaluation of Ti-5Nb-xFe alloys for dental applications. Journal of Materials Engineering and Performance, 24(3):1332- 1339. (IF=0.998; MATERIALS SCIENCE, MULTIDISCIPLINARY, R/C=178/260=68%,**SCI**)
7. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Yu-Chen Chang, Wen-Fu Ho (**2015**, Feb). Fabrication of nanotube arrays on commercially pure titanium and their apatite-forming ability in a simulated body fluid. Materials Characterization, 100, 170-177. (IF=1.845; MATERIALS SCIENCE, CHARACTERIZATION & TESTING, R/C=4/33=12%,**SCI**)
8. **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu, Chien-Ting Li, Wen-Fu Ho (**2015**, Jan). Effects of chromium addition on structure and mechanical properties of Ti-5Mo alloy. Materials & Design, 65, 700-706. (IF=3.501; MATERIALS SCIENCE, MULTIDISCIPLINARY, R/C=43/260=16%,**SCI**)
9. Shih-Kuang Hsu, **Hsueh-Chuan Hsu**, Wen-Fu Ho, Chun-Hsu Yao, Pai-Ling Chang, Shih-Ching Wu (**2014**, Dec). Biomolecular modification of zirconia surfaces for enhanced biocompatibility. Thin Solid Films, 572(1), 91-98. (IF=1.759; MATERIALS SCIENCE, COATINGS & FILMS, R/C=6/17=35%,**SCI**)
10. Wen-Fu Ho (**2014**, Jun). Structure and mechanical properties of as-cast Ti-5Sn-xCr alloys. Materials Science and Engineering: A. (IF=2.567; METALLURGY & METALLURGICAL ENGINEERING, R/C=5/74=6%,**SCI**)

### Conference Papers :

1. **Hsueh-Chuan Hsu**, Wen-Yu Hsiao, Wen-Fu Ho, Shih-Kuang Hsu, Shih-Ching Wu (2015, Oct). Bioactivity of porous Ti-Nb-Mo prepared by mechanical alloying process. The 66th General Session of the Japanese Society for Dental Materials and Devices (JSDMD).
2. Wen-Fu Ho, Peng-Hsiang Wang, **Hsueh-Chuan Hsu**, Shih-Ching Wu, Shih-Kuang Hsu (2015, Oct). Characteristics of calcium phosphate on the surface of porous titanium prepared by sponge

replication method. The 66th General Session of the Japanese Society for Dental Materials and Devices (JSDMD).

3. **Hsueh-Chuan Hsu**, Ching-Min Liang, Cheng-Feng Wang, Wen-Fu Ho, Shih-Kuang Hsu, Shih-Ching Wu, Hsi-Chen Lin (2015, Apr). Corrosion resistance of ternary Ti-Nb-Mo alloys in Hank's solution. The 65th General Session of the Japanese Society for Dental Materials and Devices (JSDMD).
4. **Hsueh-Chuan Hsu**, Wen-Yu Hsiao, Wen-Fu Ho, Shih-Ching Wu, Shih-Kuang Hsu (2015, Apr). A study on the porous structure and mechanical properties of a biomedical Ti-Nb-Mo alloy. The 65th General Session of the Japanese Society for Dental Materials and Devices (JSDMD).
5. Shih-Ching Wu, Ying-Ting Wu, Wen-Fu Ho, **Hsueh-Chuan Hsu**, Shih-Kuang Hsu (2015, Apr). A study of antibacterial peptides grafted onto nanohydroxyapatite powders. The 65th General Session of the Japanese Society for Dental Materials and Devices (JSDMD).

**Telephone : 04-22391647~7422**

**Mail : hcsu@ctust.edu.tw**