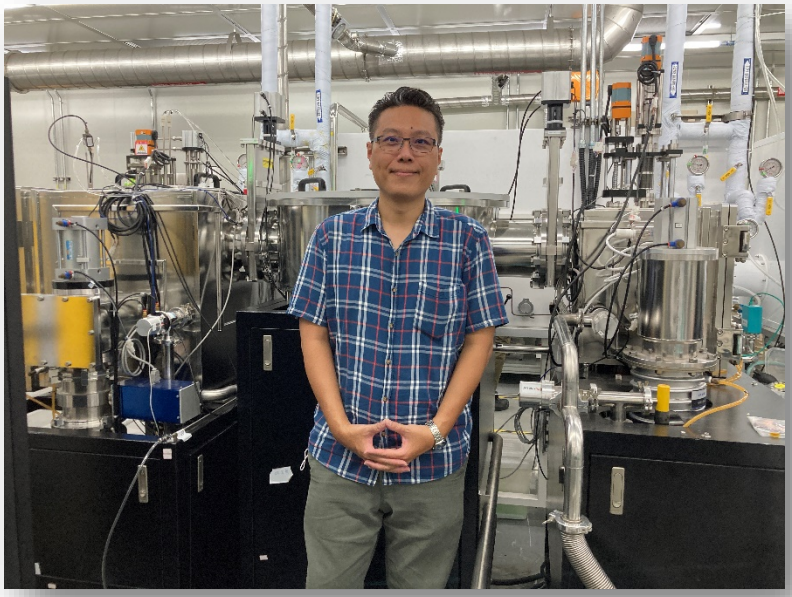
師 資 介 紹



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	Google scholar: https://scholar.google.com/citations?user=QAdEKhsAAAAJ&hl=zh-TW
分　　機：	23288

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C. National Technical Journal (國內技術期刊)
D. Invention Patent(專利發明)
E. Award (獲獎紀錄)
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C. National Technical Journal（國內技術期刊）

1. 林福銘、**陳玉鴻**、吳德清、童永樑、楊秉純，太陽光電技術及產業發展與應用趨勢分析，電機月刊，第 266 期，142 頁~150 頁，2013 年 2 月。
2. 黃俊達、李坤樹、**陳玉鴻**、貢中元、劉俊岑，以金屬誘發結晶技術製造 n 型奈米矽/p 型單晶矽太陽能電池，太陽能及新能源學刊，第十三期、第一卷，2008 年 6 月

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1. YONG-LIN XIE, YU-HENG XIA, ZHI-XIANG CHEN, CHI-DA YANG, **YU-HUNG CHEN** , "Effect of sputtering power and substrate temperature on the properties of copper oxide thin films prepared radio frequency magnetron sputtering technique", the 21th Conference on Microelectronics Technology and Applications **(2023 微電子技術發展與應用研討會論文集)**, p.124-p.129, May/2023. *(ISBN: 978-986-06557-9-7)*

2. WAN CHUN LIN, YU JIE HSU, GUAN LIN SU, REN WEI JHENG, CHI-DA YANG, **YU-HUNG CHEN**, "Effect of elevated substrate temperature on the structural and optical properties of RF magnetron sputtered ZnO films", the 21th Conference on Microelectronics Technology and Applications **(2023 微電子技術發展與應用研討會論文集)**, p.130-p.134, May/2023. *(ISBN: 978-986-06557-9-7)*

D. Invention Patent(專利發明)

(國外: 發明型專利/已獲證)

1. **Yu-Hung Chen**, Jun-Chin Liu, Chun-Heng Chen, " *Method for manufacturing P-I-N microcrystalline silicon structure for thin-film solar cells*", ***Patent No.: US 8,557,041 B1***, **United States Patent, Oct. 15, 2013. (美國)**
2. Jun-Chin Liu, **Yu-Hung Chen**, Chien-Liang Wu, Yu-Ru Chen, Yu-Ming Wang, "*Method of manufacturing thin film solar cells,*" ***Patent No.: US 8,772,071 B2***, **United States Patent, Jul. 8, 2014. (美國)**
3. Jun-Chin Liu, **Yu-Hung Chen**, Chien-Liang Wu, Yu-Ru Chen, Yu-Ming Wang, "*Manufacturing process of thin film solar energy batteries,*" ***Patent No.: 5589008***, **JAPAN Patent, Sep. 26, 2014**. **(日本)**
4. **Yu-Hung Chen**, Jun-Chin Liu, Yung-Tsung Liu, Chun-Heng Chen,

"*HETERO-JUNCTION TYPE SOLAR BATTERY STRUCTURE,*" ***Patent No.: 5864660***, **JAPAN Patent, Feb. 17, 2016**. **(日本)**

5. **Yu-Hung Chen**, Jun-Chin Liu, Yung-Tsung Liu, Chun-Heng Chen, "HETERO-JUNCTION TYPE SOLAR BATTERY STRUCTURE," **Patent No.: 6066231, JAPAN Patent, Jan. 25, 2017. (日本)**
6. 刘俊岑, **陈玉鸿**, 吴建良, 陈毓儒, 王裕铭, **"**薄膜太阳能电池的制法**" , 中华人民共和国专利, 證書號： 201110379070.9), 公告/公開日: 2016/12/14 (中國大陸)**
7. 陈玉鸿, 刘俊岑, 刘永宗, 林宸澄, "异质结太阳电池(1)", **中华人民共和国专利, 證書號： 201310654869.3), 公告/公開日: 2017/11/21 (中國大陸)**
8. 陈玉鸿, 刘俊岑, 刘永宗, 林宸澄, "异质结太阳电池(2)", **中华人民共和国专利, 證書號： 201610659357), 公告/公開日: 2017/12/08 (中國大陸)**
9. Kuo-Wei Huang, Yung-Liang Tung, Shin-Hsiung Wu, Jen-An Chen, Pei-Ting Chiu, **Yu-Hung Chen**, "*Perovskite film and manufacturing method thereof*", ***Patent No.: US 11,271,157 B1***, **United States Patent, Mar. 8, 2022. (美國)**

(國內: 中華民國發明型專利/已獲證)

1. 黃國瑋,童永樑,吳世雄,陳壬安,邱培庭,**陳玉鴻**, "鈣鈦礦膜及其製造方法", 中華民國專利, 證書號： **I753551**, 公告/公開日: **2022/01/21**
2. **陳玉鴻**, 劉俊岑, 劉永宗, 林宸澂, "異質接面太陽電池結構", 中華民國專利, 證書號：**I469380**, 公告/公開日: **2015/1/11**
3. **陳玉鴻**, 劉俊岑, 陳俊亨, "一種薄膜太陽能電池之 P-I-N 微晶矽結構及其製法", 中華民國專利, 證書號：**I455343**, 公告/公開日: **2014/10/01**
   劉俊岑, **陳玉鴻**, 吳建良, 陳毓儒, 王裕銘, "薄膜太陽能電池之製法", 中華民國專利, 證書號：**I451580**, 公告/公開日: **2014/09/01**

E. Award (獲獎紀錄)

1. **2022** 年台灣電子材料與元件協會(EDMA)「傑出青年獎」
2. **2022** 年再生能源與國家安全學術研討會「論文競賽優選獎」
3. **2022** 年 PV Award 太陽光電創新應用產品設計競賽「入選獎」
4. **2022** 年新竹縣產業總工會「111 年度模範勞工」
5. **2022** 年工研院院級第二屆 2030 跨域議題海選「優勝」
6. **2021** 年工研院綠能所創意發想「點子計畫獎」
7. **2021** 年工業技術研究院專利地圖分析與布局競賽 冠軍
8. **2020** 年全球百大科技研發獎（R&D 100 Awards）「染料敏化電池應用於智慧家庭技術/Dye-sensitized cell (DSC) as Energy source of Sensors, D-EOS」
9. **2019** 年工業技術研究院 108 年全院級之「傑出研究獎」
10. **2016、2017、2018、2019** 年國立暨南國際大學「教學評量獎(得分前10%課程)」
11. **2013** 年世界名人錄（Marquis Who'sWho in the World）
12. **2012** 年內政部研發替代役制度「100 年度績優研發替代役役男」
13. **2008** 年國立中興大學工學院九十六學年度學生論文競賽「優等獎」
14. **2007** 年日月光公司之日月之光菁英論文獎「佳作」
15. **2005** 年台灣光電科技研討會「學術壁報論文獎」
16. **2005** 年中華民國斐陶斐榮譽學會「榮譽會員」

F. Student Awards(指導學生獲獎)

1. 指導學生謝咏霖(YONG-LIN XIE)、夏峪珩(YU-HENG XIA)、陳至相(ZHI-XIANG CHEN)同學獲得 2023 International Forum in Plasma and Thin Film Technologies for Sustainable Development Goals, PTSDG 2023：【學生海報大賽－佳作】

2. 指導學生許誌顯、陳至相、陳亭佑、劉鴻禧同學獲得 International Conference on Smart Devices and Sustainable Energy (SDSE 2023)：
【Best Poster Award】