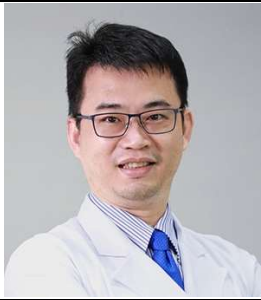


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研究方向: (關鍵詞)	Cardiac arrhythmias, Electrophysiology, Catheter Ablation, Gene, Biological pacemaker, Artificial intelligence			
五年內 代表著作:	<ol style="list-style-type: none"> Hu YF, Lee AS, Chang SL, Lin SF, Weng CH, Lo HY, Chou PC, Tsai YN, Sung YL, Chen CC, Yang RB, Lin YC, Kuo TBJ, Wu CH, Liu JD, Chung TW, Chen SA. Biomaterial-induced conversion of quiescent cardiomyocytes into pacemaker cells in rats. <i>Nat Biomed Eng.</i> 2022 Apr;6(4):421-434. doi: 10.1038/s41551-021-00812-y. Epub 2021 Nov 22. PMID: 34811487. *correspondent. Chou PC, Liu CM, Weng CH, Yang KC, Cheng ML, Lin YC, Yang RB, Shyu BC, Shyue SK, Liu JD, Chen SP, Hsiao M, Hu YF. Fibroblasts Drive Metabolic Reprogramming in Pacemaker Cardiomyocytes. <i>Circ Res.</i> 2022 Jun 24;131(1):6-20. doi: 10.1161/CIRCRESAHA.121.320301. Epub 2022 May 25. PMID: 35611699. Selected as the cover story with the editorial comment, *correspondent. Hu YF, Wu CH, Lai TC, Chang YC, Hwang MJ, Chang TY, Weng CH, Chang PM, Chen CH, Mochly-Rosen D, Huang CF, Chen SA. ALDH2 deficiency induces atrial fibrillation through dysregulated cardiac sodium channel and mitochondrial bioenergetics: A multi-omics analysis. <i>Biochim Biophys Acta Mol Basis Dis.</i> 2021 May 1;1867(5):166088. doi: 10.1016/j.bbadis.2021.166088. Epub 2021 Jan 27. PMID: 33515676; PMCID: PMC8168427. Liu CM, Hsieh ME, Hu YF*, Wei TY, Wu IC, Chen PF, Lin YJ, Higa S, Yagi N, Chen SA, Tseng VS. Artificial Intelligence-Enabled Model for Early Detection of Left Ventricular Hypertrophy and Mortality Prediction in Young to Middle-aged Adults. <i>Circ Cardiovasc Qual Outcomes.</i> 2022;(8):e008360. Liu CM, Liu CL, Hu KW, Tseng VS, Chang SL, Lin YJ, Lo LW, Chung FP, Chao TF, Tuan TC, Liao JN, Lin CY, Chang TY, Shen-Jang Fann C, Higa S, Yagi N, Hu YF*, Chen SA. A Deep Learning-Enabled Electrocardiogram Model for the Identification of a Rare Inherited Arrhythmia: Brugada Syndrome. <i>Can J Cardiol.</i> 2022; 38(2):152-159. Hu YF*, Wu CH, Lai TC, Chang YC, Hsiao M, Hwang MJ, Weng CH, Chang PM, Chen CH, Mochly-Rosen D, Huang CF, Chen SA. ALDH2 deficiency induces atrial fibrillation through dysregulated cardiac sodium channel and mitochondrial bioenergetics: A multi-omics analysis. <i>Biochim Biophys Acta Mol Basis Dis.</i> 2021;1867(5):166088. 			
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