

PUBLICATION LIST

NAME: HSIAO-WEN ZAN

A. SCI Journal Papers

- [1] Tzu-Yi Lee, Li-Yin Chen*, Yu-Yun Lo, Sujith Sudheendran Swayamprabha, Amit Kumar, Yu-Ming Huang, Shih-Chen Chen, Hsiao-Wen Zan, Fang-Chung Chen*, Ray-Hua Horng*, Hao-Chung Kuo*, “Technology and Applications of Micro-LEDs: Their Characteristics, Fabrication, Advancement, and Challenges”, *ACS Photonics*, 9, 9, 2905–2930, 2022 (12 Aug)
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- [3] Wen-Ling Chang, I-Ming Sun, Jie-An Tsai, Hsin-Fei Meng*, Hsiao-Wen Zan*, Li-Yin Chen*, Chia-Jung Lu, “Rapid quality test for drinking water by vertical-channel organic semiconductor gas sensor”, *Analytica Chimica Acta*, 1206, 339729, 2022 (8 May)
- [4] Chia-Hua Liu, Nguyen Pham Yen Nhi, Yi-Ming Sun, Hsin-Fei Meng*, Hsiao-Wen Zan*, Li-Yin Chen*, Zheng-Hao Huang, Ya-Chung Tian, Chao-Sung Lai, “Using light-emitting complex Ir(mppy)₃ to detect acetone from 0.5 to 100 ppm by vertical-channel gas sensor”, *Organic Electronics*, 106, 106507, 2022 (July)
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- Horng, Li-Yin Chen*, Hsiao-Wen Hung, “Solution-processed Chloroaluminum Phthalocyanine (ClAlPc) Ammonia Gas Sensor with Vertical Organic Porous Diodes”, *Sensors*, 21(17), 5783, 2021
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B. Conference Papers

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- [3]. Moumita Deb, Po-Yi Chang, Pin-Hsuan Li, Ming-Jen Chen, Ya-Chung Tian, Olivier Soppera, and Hsiao-Wen Zan*, "Developing SnO₂ Based Flexible Humidity Sensor on Ultra-Soft Substrate for Breath Detection", 2022 Solid State Devices and Materials (SSDM), Chiba, Japan.
- [4]. Ching-Fu Lin, Dominique Berling, Hsiao-Wen Zan*, Olivier Soppera*, "Full NIR

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C. Patents

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