

112 年 11 月 通過 學術 審查

年 級：博四（108 碩入，109 上直升）

著作列表

Journal Papers

- **Yi-Syuan Lin**, Yu-Pei Liang, Tseng-Yi Chen, Yuan-Hao Chang, Shuo-Han Chen, Hsin-Wen Wei, and Wei-Kuan Shih. 2022. How to Enable Index Scheme for Reducing the Writing Cost of DNA Storage on Insertion and Deletion. *ACM Trans. Embed. Comput. Syst.* 21, 3, Article 30 (May 2022), 25 pages. <https://doi.org/10.1145/351648247>

Conference Papers

- **Yi-Syuan Lin**, Yu-Pei Liang, Yuan-Hao Chang and Wei-Kuan Shih, "Bridging DNA Storage and Computation: An Integrated Framework for Efficient Biomolecular Data Management," ACM Symposium on Applied Computing (SAC), Ávila, Spain, Apr. 8-12, 2024.
- **Yi-Syuan Lin**, Yu-Pei Liang, Yu-Shan Yen, Yen-Ting Chen, Wei-Kuan Shih, and Yuan-Hao Chang., " Adaptive Mode-Switching for Write-amplification Reduction of SMR Disks," 2023 International SoC Design Conference (ISOCC), Jeju, Korea (South), 2023
- **Yi-Syuan Lin**, Chin-Yu Lo, Yi-Chao Shih, and Tseng-Yi Chen., " Alleviating the Impact of Fingerprint Operations on NAND Flash Memory Storage," 2023 International SoC Design Conference (ISOCC), Jeju, Korea (South), 2023

Under Submission

- [1] **Yi-Syuan Lin**, Yu-Pei Liang, Chih-Xuan Shen, Yuan-Hao Chang and Wei-Kuan Shih, "Mitigating the Write-amplification effect of large-scale semi-external graphs on SMR drives," ACM/IEEE Design Automation Conference (DAC)