

AI 半導體微奈米機器人研發及其生醫應用

2019-2025研究獲選頂尖SCI期刊封面



Panigrahi, B., & Chen, C. Y. (2019). Microfluidic retention of progressively motile zebrafish sperms. *Lab on a Chip*, 19(24), 4033-4042.



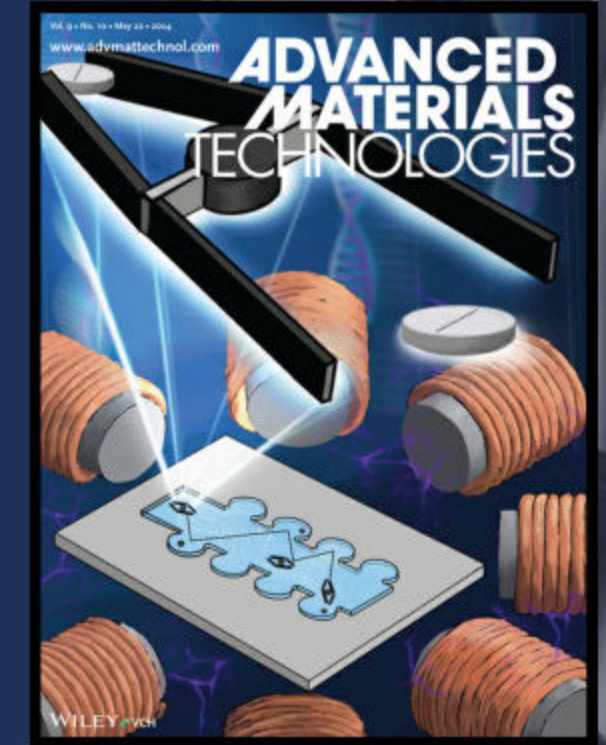
Loganathan, D., Wu, S. H., & Chen, C. Y. (2023). Behavioural responses of zebrafish with sound stimuli in microfluidics. *Lab on a Chip*, 23(1), 106-114.



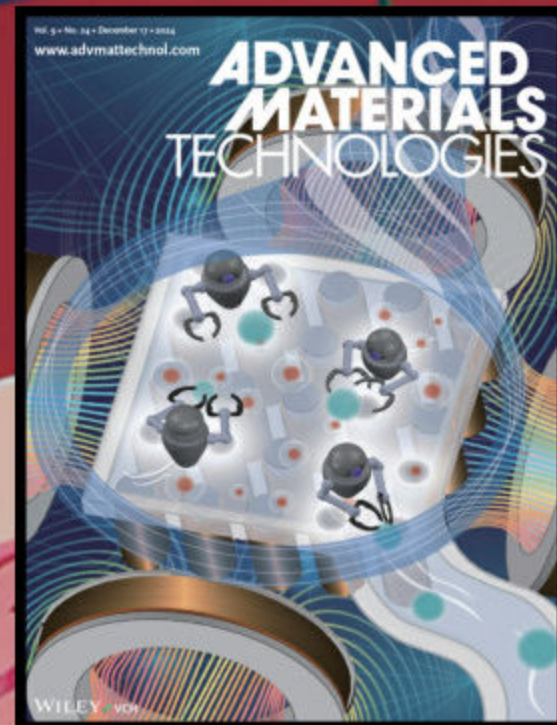
Loganathan, D., Hsieh, C. L., Shi, B. E., Lu, Y. H., & Chen, C. Y. (2023). An On-Demand Microrobot with Building Block Design for Flow Manipulation. *Advanced Materials Technologies*, 8(3), 2201073.



Loganathan, D., Hsieh, C. L., Ou, C. Y., & Chen, C. Y. (2024). A Stepwise Control of Multiple Magnetic Millirobots for Flow Manipulation Applications. *Advanced Intelligent Systems*, 2300483.



Loganathan, D., Chaung, Y., Lu, Y. H., Cheng, C. H., & Chen, C. Y. (2024). An Untethered Magnetic Microgripper for High-Throughput Micromanipulation. *Advanced Materials Technologies*, 9(10), 2400292.



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Loganathan, D., Cheng, C. H., Wei, P. W., & Chen, C. Y. (2025). In-Liquid Micromanipulation via a Magnetic Microactuator for Multitasking. *Small Science*, 2500010.



Sharma, P. K., Wei, P. W., Loganathan, D., Lu, Y. H., & Chen, C. Y. (2025). Microflow Switching using Artificial Cilia for On-Demand Particle Manipulation. *Advanced Intelligent Systems*, 7(11), 2500431.