

期刊論文

年度	論文名稱	作者
November, 2019	"Adaptive Write Interference Management with Efficient Mapping for Shingled Recording Disks," IEEE International Conference on Computer Design (ICCD)	Ming-Chang Lee, Li-Pin Chang, Sung-Ming Wu, and Wei-Shang Yui
September, 2019	"File Fragmentation in Mobile Devices: Measurement, Evaluation, and Treatment", IEEE Transactions on Mobile Computing (TMC), Volume 18, Issue 9	Cheng Ji, Li-Pin Chang, Sangwook Shane Hahn, Sungjin Lee, Riwei Pan, Liang Shi, Jihong Kim and Chun Jason Xue
August, 2019.	"How and Why does Mobile I/O Stack Inflate Writes?," IEEE Non-Volatile Memory Systems and Applications Symposium (NVMSA)	Miao-Chiang Yen and Li-Pin Chang
August, 2019	"Learning-Assisted Write Latency Optimization for Mobile Storage," IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA)	Wei-Chu Tsai, Sung-Ming Wu, and Li-Pin Chang
October, 2018	"Lightweight, Integrated Data Deduplication for Write Stress Reduction of Mobile Flash Storage ," International Conference on Embedded Software (EMSOFT) (Integrated with IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems)	Miao-Chiang Yen, Shih-Yi Chang, and Li-Pin Chang
April, 2018	"An I/O Scheduling Strategy for Embedded Flash Storage Devices with Mapping Cache," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD), Volume 37, Issue 4	Cheng Ji, Li-Pin Chang, Chao Wu, Liang Shi, and Chun Jason Xue
March, 2018	"KVSSD: Close Integration of LSM Trees and Flash Translation Layer for Write-Efficient KV Store," Design, Automation, and Test in Europe (DATE)	Sung-Ming Wu, Kai-Hsiang Lin, and Li-Pin Chang
March, 2018	"Flash Read Disturb Management Using Adaptive Cell Bit-Density with In-Place Reprogramming," Design, Automation, and Test in Europe (DATE)	Tai-Chou Wu, Yu-Ping Ma, and Li-Pin Chang
February, 2018	"Providing SLO Compliance on NVMe SSDs Through Parallelism Reservation," ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 23, Issue 3	Sheng-Min Huang and Li-Pin Chang

2017	Lightweight Data Compression for Mobile Flash Storage	Cheng Ji, Li-Pin Chang, Liang Shi, Congming Gao, Chao Wu, Yuangang Wang and Jason Xue
2017	An I/O Scheduling Strategy for Embedded Flash Storage Devices with Mapping Cache	Cheng Ji, Li-Pin Chang, Chao Wu, Liang Shi, and Chun Jason Xue
2016	Eager Syncing: A Selective Logging Strategy for Fast fsync() on Flash-Based Android Device	Li-Pin Chang, Po-Han Sung, Po-Tsang Chen, and Po-Hung Chen
2016	Exploiting Page Correlations for Write Buffering in Page-Mapping Multichannel SSDs	Sheng-Min Huang and Li-Pin Chang
2016	Stable Greedy: Adaptive Garbage Collection for Durable Page-Mapping Multichannel SSDs	Li-Pin Chang, Yu-Syun Liu, and Wen-Huei Lin
2015	Plugging versus Logging: Adaptive Buffer Management for Hybrid-Mapping SSDs	Li-Pin Chang, Yo-Chuan Su, I-Chen Wu
2014	Reducing Asynchrony in Channel Garbage-Collection for Improving Internal Parallelism of SSDs	LI-PIN CHANG* and CHENYI WEN
2013	An Adaptive, Low-Cost Wear-Leveling Algorithm for Multichannel Solid-State Disks	LI-PIN CHANG*, TUNGYANG CHOU, and LI-CHUN HUANG