

PUBLICATIONS

Total 780 citations till November 2024 based on Google Scholar.

Conference Publications

- [1] **Yang Zhou**, Zezhou Wang, Sowmya Dharanipragada, and Minlan Yu.
Electrode: Accelerating Distributed Protocols with eBPF. [\[link\]](#)
USENIX NSDI 2023.
- [2] **Yang Zhou**, Hassan Wassel, Sihang Liu, Jiaqi Gao, James Mickens, Minlan Yu, Chris Kennelly, Paul Turner, David Culler, Hank Levy, and Amin Vahdat.
Carbink: Fault-Tolerant Far Memory. [\[link\]](#)
USENIX OSDI 2022.
- [3] **Yang Zhou**, Ying Zhang, Minlan Yu, Guangyu Wang, Dexter Cao, Eric Sung, and Starsky Wong.
Evolvable Network Telemetry at Facebook. [\[link\]](#)
USENIX NSDI 2022.
- [4] **Yang Zhou**, Tong Yang, Jie Jiang, Bin Cui, Minlan Yu, Xiaoming Li, and Steve Uhlig.
Cold Filter: A Meta-Framework for Faster and More Accurate Stream. Processing [\[link\]](#)
ACM SIGMOD 2018.
- [5] Tong Yang, Jie Jiang, Peng Liu, Qun Huang, Junzhi Gong, **Yang Zhou**, Rui Miao, Xiaoming Li, and Steve Uhlig.
Elastic Sketch: Adaptive and Fast Network-Wide Measurements. [\[link\]](#)
ACM SIGCOMM 2018.
- [6] Omid Alipourfard, Masoud Moshref, **Yang Zhou**, Tong Yang, and Minlan Yu.
A Comparison of Performance and Accuracy of Measurement Algorithms in Software. [\[link\]](#)
ACM Symposium on SDN Research (SOSR) 2018.
- [7] Xiangyang Gou, Chenxingyu Zhao, Tong Yang, Lei Zou, **Yang Zhou**, Yibo Yan, Xiaoming Li, and Bin Cui.
Single Hash: Use One Hash Function to Build Faster Hash Based Data Structures. [\[link\]](#)
IEEE International Conference on Big Data and Smart Computing (BigComp) 2018.
- [8] Tong Yang, **Yang Zhou**, Hao Jin, Shigang Chen, and Xiaoming Li.
Pyramid Sketch: A Sketch Framework for Frequency Estimation of Data Streams. [\[link\]](#)
VLDB 2017.
- [9] **Yang Zhou**, Peng Liu, Hao Jin, Tong Yang, Shoujiang Dang, and Xiaoming Li.
One Memory Access Sketch: A More Accurate and Faster Sketch for Per-Flow Measurement. [\[link\]](#)
IEEE Global Communications Conference (Globecom) 2017.
- [10] Junzhi Gong, Tong Yang, **Yang Zhou**, Dongsheng Yang, Shigang Chen, Bin Cui, and Xiaoming Li.
ABC: A Practicable Sketch Framework for Non-Uniform Multisets. [\[link\]](#)
IEEE International Conference on Big Data (BigData) 2017.

Papers Under Reviews

- [11] **Yang Zhou**, Hassan Wassel, James Mickens, Minlan Yu, and Amin Vahdat.
Mew: Efficient Inter-Server Load Balancing for Microsecond-Scale RPCs. [\[link\]](#)
September 2023.
- [12] **Yang Zhou**, Xingyu Xiang, Matthew Kiley, Sowmya Dharanipragada, and Minlan Yu.
DINT: Fast In-Kernel Distributed Transactions with eBPF. [\[link\]](#)
September 2023.
- [13] **Yang Zhou**, Mark Wilkening, James Mickens, and Minlan Yu.
SmartNIC Security Isolation in the Cloud with S-NIC. [\[link\]](#)
October 2023.

Workshop and Demo Publications

- [14] **Yang Zhou**, Hao Jin, Peng Liu, Haowei Zhang, Tong Yang, and Xiaoming Li.
Accurate Per-Flow Measurement with Bloom Sketch. [\[link\]](#)

Journal Publications

- [15] Zhuochen Fan, Gang Wen, Zhipeng Huang, **Yang Zhou**, Qiaobin Fu, Tong Yang, Alex X Liu, and Bin Cui.
On the Evolutionary of Bloom Filter False Positives - An Information Theoretical Approach to Optimizing Bloom Filter Parameters. [\[link\]](#)
IEEE Transactions on Knowledge & Data Engineering 2022.
- [16] Yuanpeng Li, Xiang Yu, Yilong Yang, **Yang Zhou**, Tong Yang, Zhuo Ma, and Shigang Chen.
Pyramid Family: Generic Frameworks for Accurate and Fast Flow Size Measurement. [\[link\]](#)
IEEE/ACM Transactions on Networking 2021.
- [17] Tong Yang, Jie Jiang, **Yang Zhou**, Long He, Jinyang Li, Bin Cui, Steve Uhlig, and Xiaoming Li.
Fast and Accurate Stream Processing by Filtering the Cold. [\[link\]](#)
The VLDB Journal 2019.
- [18] Tong Yang, Jie Jiang, Peng Liu, Qun Huang, Junzhi Gong, **Yang Zhou**, Rui Miao, Xiaoming Li, and Steve Uhlig.
Adaptive Measurements Using One Elastic Sketch. [\[link\]](#)
IEEE/ACM Transactions on Networking 2019.
- [19] **Yang Zhou**, Omid Alipourfard, Minlan Yu, and Tong Yang.
Accelerating Network Measurement in Software. [\[link\]](#)
ACM SIGCOMM Computer Communication Review 2018.