

## PUBLICATIONS

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Total 780 citations till November 2024 based on Google Scholar.

### Conference Publications

- [1] **Yang Zhou**, Xingyu Xiang, Matthew Kiley, Sowmya Dharanipragada, and Minlan Yu.  
DINT: Fast In-Kernel Distributed Transactions with eBPF. [\[link\]](#)  
*USENIX NSDI 2024*.
- [2] **Yang Zhou**, Zezhou Wang, Sowmya Dharanipragada, and Minlan Yu.  
Electrode: Accelerating Distributed Protocols with eBPF. [\[link\]](#)  
*USENIX NSDI 2023*.
- [3] **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*.
- [4] **Yang Zhou**, Ying Zhang, Minlan Yu, Guangyu Wang, Dexter Cao, Eric Sung, and Starsky Wong.  
Evolvable Network Telemetry at Facebook. [\[link\]](#)  
*USENIX NSDI 2022*.
- [5] **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*.
- [6] 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*.
- [7] 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*.
- [8] 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*.
- [9] 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*.
- [10] **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*.
- [11] 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

- [12] **Yang Zhou**, Hassan Wassel, James Mickens, Minlan Yu, and Amin Vahdat.  
Mew: Efficient Inter-Server Load Balancing for Microsecond-Scale RPCs. [\[link\]](#)  
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.