

Stanford

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Publications

PUBLICATIONS

- **On the upper tail problem for random hypergraphs** *RANDOM STRUCTURES & ALGORITHMS*
Liu, Y. P., Zhao, Y.
2020
- **Constant Girth Approximation for Directed Graphs in Subquadratic Time**
Chechik, S., Liu, Y. P., Rotem, O., Sidford, A., Makarychev, K., Makarychev, Y., Tulsiani, M., Kamath, G., Chuzhoy, J.
ASSOC COMPUTING MACHINERY.2020: 1010–23
- **Unit Capacity Maxflow in Almost $O(m^{4/3})$ Time**
Kathuria, T., Liu, Y. P., Sidford, A., IEEE
IEEE.2020: 119-130
- **Near-optimal Approximate Discrete and Continuous Submodular Function Minimization**
Axelrod, B., Liu, Y. P., Sidford, A., ACM
ASSOC COMPUTING MACHINERY.2020: 837–53
- **Faster Energy Maximization for Faster Maximum Flow**
Liu, Y. P., Sidford, A., Makarychev, K., Makarychev, Y., Tulsiani, M., Kamath, G., Chuzhoy, J.
ASSOC COMPUTING MACHINERY.2020: 803–14
- **Parallel Reachability in Almost Linear Work and Square Root Depth**
Jambulapati, A., Liu, Y. P., Sidford, A., IEEE
IEEE COMPUTER SOC.2019: 1664–86