# Michael Luby

## List of Publications by Year
in descending order

| 27 | 5,140 | 430874 | 610901 |
|:---:|:---:|:---:|:---:|
| papers | citations | 18 | 24 |
| | | h-index | g-index |

| 28 | 28 | 28 | 2081 |
|:---:|:---:|:---:|:---:|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Repair Rate Lower Bounds for Distributed Storage. IEEE Transactions on Information Theory, 2021, 67, 5711-5730. | 2.4 | 1 |
| 2 | Liquid Data Networking. , 2020, , . | | 1 |
| 3 | Liquid Cloud Storage. ACM Transactions on Storage, 2019, 15, 1-49. | 2.1 | 12 |
| 4 | A digital fountain retrospective. Computer Communication Review, 2019, 49, 82-85. | 1.8 | 6 |
| 5 | Deriving and Validating User Experience Model for DASH Video Streaming. IEEE Transactions on Broadcasting, 2015, 61, 651-665. | 3.2 | 103 |
| 6 | Reliable Multimedia Download Delivery in Cellular Broadcast Networks. IEEE Transactions on Broadcasting, 2007, 53, 235-246. | 3.2 | 202 |
| 7 | Markov Chain Algorithms for Planar Lattice Structures. SIAM Journal on Computing, 2001, 31, 167-192. | 1.0 | 146 |
| 8 | An Optimal Algorithm for Monte Carlo Estimation. SIAM Journal on Computing, 2000, 29, 1484-1496. | 1.0 | 171 |
| 9 | Fast convergence of the Glauber dynamics for sampling independent sets. Random Structures and Algorithms, 1999, 15, 229-241. | 1.1 | 63 |
| 10 | A Pseudorandom Generator from any One-way Function. SIAM Journal on Computing, 1999, 28, 1364-1396. | 1.0 | 1,090 |
| 11 | Efficient approximation of product distributions. Random Structures and Algorithms, 1998, 13, 1-16. | 1.1 | 37 |
| 12 | Efficient approximation of product distributions. , 1998, 13, 1. | | 5 |
| 13 | Traffic Jams on the Internet. Science, 1998, 280, 179-179. | 12.6 | 0 |
| 14 | Efficient construction of a small hitting set for combinatorial rectangles in high dimension. Combinatorica, 1997, 17, 215-234. | 1.2 | 38 |
| 15 | Optimal speedup of Las Vegas algorithms. Information Processing Letters, 1993, 47, 173-180. | 0.6 | 286 |
| 16 | Removing randomness in parallel computation without a processor penalty. Journal of Computer and System Sciences, 1993, 47, 250-286. | 1.2 | 120 |
| 17 | Self-testing/correcting with applications to numerical problems. Journal of Computer and System Sciences, 1993, 47, 549-595. | 1.2 | 507 |
| 18 | On the Existence of Pseudorandom Generators. SIAM Journal on Computing, 1993, 22, 1163-1175. | 1.0 | 88 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 19 | Competitive paging algorithms. Journal of Algorithms, 1991, 12, 685-699. | 0.9 | 356 |
| 20 | Parallel asynchronous connected components in a mesh. Information Processing Letters, 1991, 38, 257-263. | 0.6 | 1 |
| 21 | A bidirectional shortest-path algorithm with good average-case behavior. Algorithmica, 1989, 4, 551-567. | 1.3 | 33 |
| 22 | A study of password security. Journal of Cryptology, 1989, 1, 151-158. | 2.8 | 18 |
| 23 | Monte-Carlo approximation algorithms for enumeration problems. Journal of Algorithms, 1989, 10, 429-448. | 0.9 | 242 |
| 24 | A simple parallel algorithm for finding a satisfying truth assignment to a 2-cnf formula. Information Processing Letters, 1988, 27, 141-145. | 0.6 | 16 |
| 25 | How to Construct Pseudorandom Permutations from Pseudorandom Functions. SIAM Journal on Computing, 1988, 17, 373-386. | 1.0 | 685 |
| 26 | A Simple Parallel Algorithm for the Maximal Independent Set Problem. SIAM Journal on Computing, 1986, 15, 1036-1053. | 1.0 | 856 |
| 27 | Monte-Carlo algorithms for the planar multiterminal network reliability problem. Journal of Complexity, 1985, 1, 45-64. | 1.3 | 57 |