# Massimo Lauria

List of Publications by Year
in descending order



| 35 | 359 | 933447 10 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 36 | 36 | 36 | 101 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A characterization of tree-like Resolution size. Information Processing Letters, 2013, 113, 666-671. | 0.6 | 44 |
| 2 | Narrow Proofs May Be Maximally Long. ACM Transactions on Computational Logic, 2016, 17, 1-30. | 0.9 | 42 |
| 3 | Space Complexity in Polynomial Calculus. SIAM Journal on Computing, 2015, 44, 1119-1153. | 1.0 | 33 |
| 4 | From Small Space to Small Width in Resolution. ACM Transactions on Computational Logic, 2015, 16, 1-15. | 0.9 | 33 |
| 5 | Optimality of size-degree tradeoffs for polynomial calculus. ACM Transactions on Computational Logic, 2010, 12, 1-22. | 0.9 | 19 |
| 6 | Parameterized Complexity of DPLL Search Procedures. ACM Transactions on Computational Logic, 2013, 14, 1-21. | 0.9 | 17 |
| 7 | Parameterized Bounded-Depth Frege Is not Optimal. ACM Transactions on Computation Theory, 2012, 4, 1-16. | 0.7 | 14 |
| 8 | Hardness of Approximation in PSPACE and Separation Results for Pebble Games. , 2015, , . | | 14 |
| 9 | A lower bound for the pigeonhole principle in tree-like Resolution by asymmetric Proverâ€“Delayer games. Information Processing Letters, 2010, 110, 1074-1077. | 0.6 | 13 |
| 10 | On the Automatizability of Polynomial Calculus. Theory of Computing Systems, 2010, 47, 491-506. | 1.1 | 12 |
| 11 | CNFgen: A Generator of Crafted Benchmarks. Lecture Notes in Computer Science, 2017, , 464-473. | 1.3 | 12 |
| 12 | Space Complexity in Polynomial Calculus. , 2012, , . | | 11 |
| 13 | Clique is hard on average for regular resolution. , 2018, , . | | 11 |
| 14 | Towards an Understanding of Polynomial Calculus: New Separations and Lower Bounds. Lecture Notes in Computer Science, 2013, , 437-448. | 1.3 | 9 |
| 15 | The complexity of proving that a graph is Ramsey. Combinatorica, 2017, 37, 253-268. | 1.2 | 8 |
| 16 | Minimum-Energy Broadcast and disk cover in grid wireless networks. Theoretical Computer Science, 2008, 399, 38-53. | 0.9 | 7 |
| 17 | Circular (Yet Sound) Proofs. Lecture Notes in Computer Science, 2019, , 1-18. | 1.3 | 7 |
| 18 | On the bounded-hop MST problem on random Euclidean instances. Theoretical Computer Science, 2007, 384, 161-167. | 0.9 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Narrow Proofs May Be Maximally Long. , 2014, , . | | 6 |
| 20 | Trade-offs Between Time and Memory in a Tighter Model of CDCL SAT Solvers. Lecture Notes in Computer Science, 2016, , 160-176. | 1.3 | 6 |
| 21 | Divide and Conquer Is Almost Optimal for the Bounded-Hop MST Problem on Random Euclidean Instances. Lecture Notes in Computer Science, 2005, , 89-98. | 1.3 | 6 |
| 22 | Paris-Harrington Tautologies. , 2011, , . | | 3 |
| 23 | Tight Size-Degree Bounds for Sums-of-Squares Proofs. Computational Complexity, 2017, 26, 911-948. | 0.3 | 3 |
| 24 | A note about k -DNF resolution. Information Processing Letters, 2018, 137, 33-39. | 0.6 | 3 |
| 25 | The Complexity of Proving That a Graph Is Ramsey. Lecture Notes in Computer Science, 2013, , 684-695. | 1.3 | 3 |
| 26 | Parameterized Bounded-Depth Frege Is Not Optimal. Lecture Notes in Computer Science, 2011, , 630-641. | 1.3 | 3 |
| 27 | Cliques enumeration and tree-like resolution proofs. Information Processing Letters, 2018, 135, 62-67. | 0.6 | 2 |
| 28 | A Distributed Protocol for the Bounded-Hops Converge-Cast in Ad-Hoc Networks. Lecture Notes in Computer Science, 2006, , 60-72. | 1.3 | 2 |
| 29 | Minimum Energy Broadcast and Disk Cover in Grid Wireless Networks. Lecture Notes in Computer Science, 2006, , 227-239. | 1.3 | 2 |
| 30 | On semantic cutting planes with very small coefficients. Information Processing Letters, 2018, 136, 70-75. | 0.6 | 1 |
| 31 | A Rank Lower Bound for Cutting Planes Proofs of Ramseyâ€™s Theorem. Lecture Notes in Computer Science, 2013, , 351-364. | 1.3 | 1 |
| 32 | A Rank Lower Bound for Cutting Planes Proofs of Ramseyâ€™s Theorem. ACM Transactions on Computation Theory, 2016, 8, 1-13. | 0.7 | 1 |
| 33 | Algorithm Analysis Through Proof Complexity. Lecture Notes in Computer Science, 2018, , 254-263. | 1.3 | 1 |
| 34 | On the Proof Complexity of Paris-Harrington and Off-Diagonal Ramsey Tautologies. ACM Transactions on Computational Logic, 2016, 17, 1-25. | 0.9 | 0 |
| 35 | Upper bounds on positional Parisâ€“Harrington games. Discrete Mathematics, 2021, 344, 112257. | 0.7 | 0 |