

# László A Vágh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7732502/publications.pdf>

Version: 2024-02-01

43  
papers

366  
citations

1039406

9  
h-index

996533

15  
g-index

46  
all docs

46  
docs citations

46  
times ranked

179  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Strongly Polynomial Algorithm for a Class of Minimum-Cost Flow Problems with Separable Convex Objectives. <i>SIAM Journal on Computing</i> , 2016, 45, 1729-1761. | 0.8 | 31        |
| 2  | A Strongly Polynomial Algorithm for Generalized Flow Maximization. <i>Mathematics of Operations Research</i> , 2017, 42, 179-211.                                   | 0.8 | 31        |
| 3  | A Rational Convex Program for Linear Arrow-Debreu Markets. <i>ACM Transactions on Economics and Computation</i> , 2017, 5, 1-13.                                    | 0.7 | 30        |
| 4  | Augmenting Undirected Node-Connectivity by One. <i>SIAM Journal on Discrete Mathematics</i> , 2011, 25, 695-718.  | 0.4 | 23        |
| 5  | A Constant-factor Approximation Algorithm for the Asymmetric Traveling Salesman Problem. <i>Journal of the ACM</i> , 2020, 67, 1-53.                                | 1.8 | 22        |
| 6  | A constant-factor approximation algorithm for the asymmetric traveling salesman problem. , 2018, , .  |     | 20        |
| 7  | Concave Generalized Flows with Applications to Market Equilibria. <i>Mathematics of Operations Research</i> , 2014, 39, 573-596.                                    | 0.8 | 17        |
| 8  | Strongly polynomial algorithm for a class of minimum-cost flow problems with separable convex objectives. , 2012, , .   |     | 16        |
| 9  | On Submodular Search and Machine Scheduling. <i>Mathematics of Operations Research</i> , 2019, 44, 1431-1449.   | 0.8 | 15        |
| 10 | Fixed-Parameter Algorithms for Minimum-Cost Edge-Connectivity Augmentation. <i>ACM Transactions on Algorithms</i> , 2015, 11, 1-24.                                 | 0.9 | 14        |
| 11 | Approximating Minimum-Cost $k$ -Node Connected Subgraphs via Independence-Free Graphs. <i>SIAM Journal on Computing</i> , 2014, 43, 1342-1362.                      | 0.8 | 12        |
| 12 | Approximating Nash social welfare under rado valuations. , 2021, , .  |     | 11        |
| 13 | A scaling-invariant algorithm for linear programming whose running time depends only on the constraint matrix. , 2020, , .  |     | 10        |
| 14 | Restricted b-Matchings in Degree-Bounded Graphs. <i>Lecture Notes in Computer Science</i> , 2010, , 43-56.  | 1.0 | 9         |
| 15 | Nonadaptive Selfish Routing with Online Demands. , 2007, , 27-45.   |     | 7         |
| 16 | A Simpler and Faster Strongly Polynomial Algorithm for Generalized Flow Maximization. <i>Journal of the ACM</i> , 2020, 67, 1-26.                                   | 1.8 | 7         |
| 17 | Revisiting Tardos's Framework for Linear Programming: Faster Exact Solutions using Approximate Solvers. , 2020, , .   |     | 7         |
| 18 | An algorithm to increase the node-connectivity of a digraph by one. <i>Discrete Optimization</i> , 2008, 5, 677-684.  | 0.6 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Primal-dual approach for directed vertex connectivity augmentation and generalizations. ACM Transactions on Algorithms, 2008, 4, 1-21. | 0.9 | 6         |
| 20 | A polynomial projection-type algorithm for linear programming. Operations Research Letters, 2014, 42, 91-96.                           | 0.5 | 6         |
| 21 | The Cutting Plane Method is Polynomial for Perfect Matchings. Mathematics of Operations Research, 2016, 41, 23-48.                     | 0.8 | 6         |
| 22 | A strongly polynomial algorithm for linear exchange markets. , 2019, , .   |     | 6         |
| 23 | Rescaling Algorithms for Linear Conic Feasibility. Mathematics of Operations Research, 2020, 45, 732-754.                              | 0.8 | 6         |
| 24 | Approximating Minimum-Cost k-Node Connected Subgraphs via Independence-Free Graphs. , 2013, , .  |     | 5         |
| 25 | A simpler and faster strongly polynomial algorithm for generalized flow maximization. , 2017, , .                                      |     | 5         |
| 26 | Augmenting undirected node-connectivity by one. , 2010, , .  |     | 4         |
| 27 | Oriented Euler complexes and signed perfect matchings. Mathematical Programming, 2015, 150, 153-178.                                   | 1.6 | 4         |
| 28 | Constant factor approximation for ATSP with two edge weights. Mathematical Programming, 2018, 172, 371-397.                            | 1.6 | 4         |
| 29 | Geometric Rescaling Algorithms for Submodular Function Minimization. Mathematics of Operations Research, 2021, 46, 1081-1108.          | 0.8 | 3         |
| 30 | Rescaled Coordinate Descent Methods for Linear Programming. Lecture Notes in Computer Science, 2016, , 26-37.                          | 1.0 | 3         |
| 31 | Worst case bin packing for OTN electrical layer networks dimensioning. , 2011, , .   |     | 2         |
| 32 | The Cutting Plane Method Is Polynomial for Perfect Matchings. , 2012, , .  |     | 2         |
| 33 | Concave Generalized Flows with Applications to Market Equilibria. , 2012, , .  |     | 2         |
| 34 | Algorithms for multiplayer multicommodity flow problems. Central European Journal of Operations Research, 2013, 21, 699-712.           | 1.1 | 2         |
| 35 | A strongly polynomial algorithm for generalized flow maximization. , 2014, , .   |     | 2         |
| 36 | LP-Based Covering Games with Low Price of Anarchy. Theory of Computing Systems, 2015, 57, 238-260.                                     | 0.7 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Geometric Rescaling Algorithms for Submodular Function Minimization. , 2018, , 832-848.   |     | 1         |
| 38 | Constant Factor Approximation for ATSP with Two Edge Weights. Lecture Notes in Computer Science, 2016, , 226-237.               | 1.0 | 1         |
| 39 | The constructive characterization of ( $\hat{r}, \hat{a}, \hat{c}$ )-edge-connected digraphs. Combinatorica, 2011, 31, 201-223. | 0.6 | 0         |
| 40 | Approximating Minimum Cost Connectivity Orientation and Augmentation. , 2014, , .   |     | 0         |
| 41 | Approximating Minimum Cost Connectivity Orientation and Augmentation. SIAM Journal on Computing, 2018, 47, 270-293.             | 0.8 | 0         |
| 42 | Approximating nash social welfare under rado valuations. , 2021, 19, 45-51.   |     | 0         |
| 43 | A Strongly Polynomial Algorithm for Linear Exchange Markets. Operations Research, 2023, 71, 487-505.                            | 1.2 | 0         |