László A Végh

List of Publications by Year
in descending order

		1040056	996975
43 papers	366 citations	9 h-index	15 g-index
46 all docs	46 docs citations	46 times ranked	179 citing authors

#	ARTICLE	IF	CITATIONS
1	A Strongly Polynomial Algorithm for Linear Exchange Markets. Operations Research, 2023, 71, 487-505.	1.9	0
2	Approximating nash social welfare under rado valuations. , 2021, 19, 45-51.		0
3	Approximating Nash social welfare under rado valuations. , 2021, , .		11
4	Geometric Rescaling Algorithms for Submodular Function Minimization. Mathematics of Operations Research, 2021, 46, 1081-1108.	1.3	3
5	Rescaling Algorithms for Linear Conic Feasibility. Mathematics of Operations Research, 2020, 45, 732-754.	1.3	6
6	A scaling-invariant algorithm for linear programming whose running time depends only on the constraint matrix. , 2020, , .		10
7	A Constant-factor Approximation Algorithm for the Asymmetric Traveling Salesman Problem. Journal of the ACM, 2020, 67, 1-53.	2.2	22
8	A Simpler and Faster Strongly Polynomial Algorithm for Generalized Flow Maximization. Journal of the ACM, 2020, 67, 1-26.	2.2	7
9	Revisiting Tardos's Framework for Linear Programming: Faster Exact Solutions using Approximate Solvers. , 2020, , .		7
10	On Submodular Search and Machine Scheduling. Mathematics of Operations Research, 2019, 44, 1431-1449.	1.3	15
11	A strongly polynomial algorithm for linear exchange markets. , 2019, , .		6
12	Approximating Minimum Cost Connectivity Orientation and Augmentation. SIAM Journal on Computing, 2018, 47, 270-293.	1.0	0
13	Constant factor approximation for ATSP with two edge weights. Mathematical Programming, 2018, 172, 371-397.	2.4	4
14	Geometric Rescaling Algorithms for Submodular Function Minimization. , 2018, , 832-848.		1
15	A constant-factor approximation algorithm for the asymmetric traveling salesman problem. , 2018, , .		20
16	A Rational Convex Program for Linear Arrow-Debreu Markets. ACM Transactions on Economics and Computation, 2017, 5, 1-13.	1.1	30
17	A simpler and faster strongly polynomial algorithm for generalized flow maximization. , 2017, , .		5
18	A Strongly Polynomial Algorithm for Generalized Flow Maximization. Mathematics of Operations Research, 2017, 42, 179-211.	1.3	31

#	ARTICLE	IF	CITATIONS
19	A Strongly Polynomial Algorithm for a Class of Minimum-Cost Flow Problems with Separable Convex Objectives. SIAM Journal on Computing, 2016, 45, 1729-1761.	1.0	31
20	The Cutting Plane Method is Polynomial for Perfect Matchings. Mathematics of Operations Research, 2016, 41, 23-48.	1.3	6
21	Rescaled Coordinate Descent Methods for Linear Programming. Lecture Notes in Computer Science, 2016, , 26-37.	1.3	3
22	Constant Factor Approximation for ATSP withÂTwo Edge Weights. Lecture Notes in Computer Science, 2016, , 226-237.	1.3	1
23	Fixed-Parameter Algorithms for Minimum-Cost Edge-Connectivity Augmentation. ACM Transactions on Algorithms, 2015, 11, 1-24.	1.0	14
24	LP-Based Covering Games with Low Price of Anarchy. Theory of Computing Systems, 2015, 57, 238-260.	1.1	1
25	Oriented Euler complexes and signed perfect matchings. Mathematical Programming, 2015, 150, 153-178.	2.4	4
26	Approximating Minimum Cost Connectivity Orientation and Augmentation. , 2014, , .		0
27	A strongly polynomial algorithm for generalized flow maximization. , 2014, , .		2
28	Approximating Minimum-Cost k-Node Connected Subgraphs via Independence-Free Graphs. SIAM Journal on Computing, 2014, 43, 1342-1362.	1.0	12
29	A polynomial projection-type algorithm for linear programming. Operations Research Letters, 2014, 42, 91-96.	0.7	6
30	Concave Generalized Flows with Applications to Market Equilibria. Mathematics of Operations Research, 2014, 39, 573-596.	1.3	17
31	Algorithms for multiplayer multicommodity flow problems. Central European Journal of Operations Research, 2013, 21, 699-712.	1.8	2
32	Approximating Minimum-Cost k-Node Connected Subgraphs via Independence-Free Graphs. , 2013, , .		5
33	Strongly polynomial algorithm for a class of minimum-cost flow problems with separable convex objectives. , 2012, , .		16
34	The Cutting Plane Method Is Polynomial for Perfect Matchings. , 2012, , .		2
35	Concave Generalized Flows with Applications to Market Equilibria. , 2012, , .		2
36	Worst case bin packing for OTN electrical layer networks dimensioning. , 2011, , .		2

#	Article	IF	Citations
37	Augmenting Undirected Node-Connectivity by One. SIAM Journal on Discrete Mathematics, 2011, 25, 695-718.	0.8	23
38	The constructive characterization of (Î°,â„“)-edge-connected digraphs. Combinatorica, 2011, 31, 201-223.	1.2	0
39	Augmenting undirected node-connectivity by one. , 2010, , .		4
40	Restricted b-Matchings in Degree-Bounded Graphs. Lecture Notes in Computer Science, 2010, , 43-56.	1.3	9
41	An algorithm to increase the node-connectivity of a digraph by one. Discrete Optimization, 2008, 5, 677-684.	0.9	6
42	Primal-dual approach for directed vertex connectivity augmentation and generalizations. ACM Transactions on Algorithms, 2008, 4, 1-21.	1.0	6
43	Nonadaptive Selfish Routing with Online Demands. , 2007, , 27-45.		7