Philip Klein

List of Publications by Year
in descending order

		840776	1058476
16 papers	**1,071** citations	**11** h-index	**14** g-index
16 all docs	**16** docs citations	**16** times ranked	**409** citing authors

#	Article	IF	Citations
1	Faster Shortest-Path Algorithms for Planar Graphs. Journal of Computer and System Sciences, 1997, 55, 3-23.	1.2	323
2	When Trees Collide: An Approximation Algorithm for the Generalized Steiner Problem on Networks. SIAM Journal on Computing, 1995, 24, 440-456.	1.0	292
3	Faster Approximation Algorithms For the Unit Capacity Concurrent Flow Problem with Applications to Routing and Finding Sparse Cuts. SIAM Journal on Computing, 1994, 23, 466-487.	1.0	112
4	An O (n log n) algorithm for maximum st -flow in a directed planar graph. Journal of the ACM, 2009, 56, 1-30.	2.2	66
5	An O (n log n) approximation scheme for Steiner tree in planar graphs. ACM Transactions on Algorithms, 2009, 5, 1-31.	1.0	64
6	An approximate max-flow min-cut relation for undirected multicommodity flow, with applications. Combinatorica, 1995, 15, 187-202.	1.2	44
7	The Lattice Structure of Flow in Planar Graphs. SIAM Journal on Discrete Mathematics, 1993, 6, 477-490.	0.8	36
8	Ordering problems approximated: single-processor scheduling and interval graph completion. Lecture Notes in Computer Science, 1991, , 751-762.	1.3	33
9	Efficient approximation algorithms for semidefinite programs arising from MAX CUT and COLORING. , 1996, , .		25
10	On the Number of Iterations for Dantzig--Wolfe Optimization and Packing-Covering Approximation Algorithms. SIAM Journal on Computing, 2015, 44, 1154-1172.	1.0	25
11	On the Number of Iterations for Dantzig-Wolfe Optimization and Packing-Covering Approximation Algorithms. Lecture Notes in Computer Science, 1999, , 320-327.	1.3	17
12	A parallel algorithm for eliminating cycles in undirected graphs. Information Processing Letters, 1990, 34, 307-312.	0.6	11
13	The Two-Edge Connectivity Survivable Network Problem in Planar Graphs. Lecture Notes in Computer Science, 2008, , 485-501.	1.3	11
14	An efficient polynomial-time approximation scheme for Steiner forest in planar graphs. , 2012, , .		7
15	A parallel algorithm for approximating the minimum cycle cover. Algorithmica, 1993, 9, 23-31.	1.3	3
16	The Two-Edge Connectivity Survivable-Network Design Problem in Planar Graphs. ACM Transactions on Algorithms, 2016, 12, 1-29.	1.0	2