

David Gleich

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,586
citations

1163065

8
h-index

1199563

12
g-index

17
all docs

17
docs citations

17
times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher-order organization of complex networks. <i>Science</i> , 2016, 353, 163-166.	12.6	708
2	PageRank Beyond the Web. <i>SIAM Review</i> , 2015, 57, 321-363.	8.4	414
3	Overlapping Community Detection Using Neighborhood-Inflated Seed Expansion. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2016, 28, 1272-1284.	5.7	194
4	Multilinear PageRank. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2015, 36, 1507-1541.	1.4	75
5	Parallel Maximum Clique Algorithms with Applications to Network Analysis. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, C589-C616.	2.8	62
6	The Spacey Random Walk: A Stochastic Process for Higher-Order Data. <i>SIAM Review</i> , 2017, 59, 321-345.	8.4	51
7	Non-Exhaustive, Overlapping Clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019, 41, 2644-2659.	13.9	24
8	An Optimization Approach to Locally-Biased Graph Algorithms. <i>Proceedings of the IEEE</i> , 2017, 105, 256-272.	21.3	11
9	Nonlinear Diffusion for Community Detection and Semi-Supervised Learning. , 2019, , .		11
10	Computing Tensor \mathbb{Z} -Eigenvectors with Dynamical Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2019, 40, 1311-1324.	1.4	10
11	The HyperKron Graph Model for Higher-Order Features. , 2018, , .		6
12	Coin-Flipping, Ball-Dropping, and Grass-Hopping for Generating Random Graphs from Matrices of Edge Probabilities. <i>SIAM Review</i> , 2019, 61, 549-595.	8.4	6
13	Learning Resolution Parameters for Graph Clustering. , 2019, , .		4
14	Metric-Constrained Optimization for Graph Clustering Algorithms. <i>SIAM Journal on Mathematics of Data Science</i> , 2019, 1, 333-355.	1.8	4
15	Using Cliques with Higher-order Spectral Embeddings Improves Graph Visualizations. , 2020, , .		4
16	Multiway Monte Carlo Method for Linear Systems. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A3449-A3475.	2.8	2
17	Localization in Seeded PageRank. <i>Internet Mathematics</i> , 2017, , .	0.7	0