

Austin R Benson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

1,319
citations

16
h-index

36
g-index

38
ext. papers

1,889
ext. citations

5
avg, IF

5.47
L-index

#	Paper	IF	Citations
34	A Unifying Generative Model for Graph Learning Algorithms: Label Propagation, Graph Convolutions, and Combinations. <i>SIAM Journal on Mathematics of Data Science</i> , 2022 , 4, 100-125	3.1	0
33	Communication-Efficient Distributed Eigenspace Estimation. <i>SIAM Journal on Mathematics of Data Science</i> , 2021 , 3, 1067-1092	3.1	0
32	Planted hitting set recovery in hypergraphs. <i>Journal of Physics Complexity</i> , 2021 , 2, 035004	1.8	1
31	Generative hypergraph clustering: From blockmodels to modularity. <i>Science Advances</i> , 2021 , 7,	14.3	11
30	Modelling and analysis of tagging networks in Stack Exchange communities. <i>Journal of Complex Networks</i> , 2021 , 8,	1.7	2
29	Random Walks on Simplicial Complexes and the Normalized Hodge 1-Laplacian. <i>SIAM Review</i> , 2020 , 62, 353-391	7.4	43
28	Measuring directed triadic closure with closure coefficients. <i>Network Science</i> , 2020 , 8, 551-573	2.9	5
27	Clustering in graphs and hypergraphs with categorical edge labels 2020 ,		10
26	Neighborhood and PageRank methods for pairwise link prediction. <i>Social Network Analysis and Mining</i> , 2020 , 10, 1	2.2	6
25	Network Interpolation. <i>SIAM Journal on Mathematics of Data Science</i> , 2020 , 2, 505-528	3.1	1
24	Automated Grain Yield Behavior Classification. <i>Jom</i> , 2019 , 71, 3513-3520	2.1	1
23	The Local Closure Coefficient 2019 ,		17
22	Three Hypergraph Eigenvector Centralities. <i>SIAM Journal on Mathematics of Data Science</i> , 2019 , 1, 293-312	3.2	28
21	Unsupervised learning of dislocation motion. <i>Acta Materialia</i> , 2019 , 181, 510-518	8.4	7
20	Sampling Methods for Counting Temporal Motifs 2019 ,		16
19	Pairwise link prediction 2019 ,		5
18	Computing Tensor \mathbb{Z} -Eigenvectors with Dynamical Systems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2019 , 40, 1311-1324	1.5	5

17	Simplicial closure and higher-order link prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11221-E11230	11.5	104
16	Sequences of Sets 2018 ,		17
15	Higher-order clustering in networks. <i>Physical Review E</i> , 2018 , 97, 052306	2.4	34
14	Motifs in Temporal Networks 2017 ,		186
13	The Spacey Random Walk: A Stochastic Process for Higher-Order Data. <i>SIAM Review</i> , 2017 , 59, 321-345	7.4	35
12	Local Higher-Order Graph Clustering. <i>KDD: Proceedings</i> , 2017 , 2017, 555-564	6.8	167
11	On the Relevance of Irrelevant Alternatives 2016 ,		9
10	Modeling User Consumption Sequences 2016 ,		39
9	Higher-order organization of complex networks. <i>Science</i> , 2016 , 353, 163-6	33.3	429
8	Improving the Numerical Stability of Fast Matrix Multiplication. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2016 , 37, 1382-1418	1.5	16
7	Tensor Spectral Clustering for Partitioning Higher-order Network Structures 2015 , 2015, 118-126	0.8	41
6	Silent error detection in numerical time-stepping schemes. <i>International Journal of High Performance Computing Applications</i> , 2015 , 29, 403-421	1.8	22
5	A framework for practical parallel fast matrix multiplication. <i>ACM SIGPLAN Notices</i> , 2015 , 50, 42-53	0.2	15
4	A Parallel Directional Fast Multipole Method. <i>SIAM Journal of Scientific Computing</i> , 2014 , 36, C335-C352	2.6	6
3	Learning multifractal structure in large networks 2014 ,		10
2	The Gamma-Ray Imaging Framework. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 528-532	1.7	2
1	Direct QR factorizations for tall-and-skinny matrices in MapReduce architectures 2013 ,		27