

# Dane Taylor

## List of Publications by Year in descending order

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31  
papers

1,239  
citations

516215

16  
h-index

433756

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g-index

32  
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32  
docs citations

32  
times ranked

1433  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of alcohol outlet visits derived from mobile phone location data in enhancing domestic violence prediction at the neighborhood level. <i>Health and Place</i> , 2022, 73, 102736.	1.5	7
2	Balanced Hodge Laplacians optimize consensus dynamics over simplicial complexes. <i>Chaos</i> , 2022, 32, 023128.	1.0	16
3	Persistent homology of convection cycles in network flows. <i>Physical Review E</i> , 2022, 105, 044311.	0.8	2
4	Tunable Eigenvector-Based Centralities for Multiplex and Temporal Networks. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 113-147.	0.6	22
5	Human mobility data and machine learning reveal geographic differences in alcohol sales and alcohol outlet visits across U.S. states during COVID-19. <i>PLoS ONE</i> , 2021, 16, e0255757.	1.1	11
6	Higher-order interactions can better optimize network synchronization. <i>Physical Review Research</i> , 2021, 3, .	1.3	32
7	Introduction to Focus Issue: Symmetry and optimization in the synchronization and collective behavior of complex systems. <i>Chaos</i> , 2020, 30, 060401.	1.0	4
8	Multiplex Markov chains: Convection cycles and optimality. <i>Physical Review Research</i> , 2020, 2, .	1.3	3
9	Transient crosslinking kinetics optimize gene cluster interactions. <i>PLoS Computational Biology</i> , 2019, 15, e1007124.	1.5	10
10	Synchronization of Network-Coupled Oscillators with Uncertain Dynamics. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 2409-2433.	0.8	7
11	Supracentrality Analysis of Temporal Networks with Directed Interlayer Coupling. <i>Computational Social Sciences</i> , 2019, , 325-344.	0.4	5
12	Network-Ensemble Comparisons with Stochastic Rewiring and Von Neumann Entropy. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 897-920.	0.8	6
13	Rigid Graph Compression: Motif-Based Rigidity Analysis for Disordered Fiber Networks. <i>Multiscale Modeling and Simulation</i> , 2018, 16, 1283-1304.	0.6	3
14	Eigenvector-Based Centrality Measures for Temporal Networks. <i>Multiscale Modeling and Simulation</i> , 2017, 15, 537-574.	0.6	120
15	Super-Resolution Community Detection for Layer-Aggregated Multilayer Networks. <i>Physical Review X</i> , 2017, 7, .	2.8	16
16	Post-Processing Partitions to Identify Domains of Modularity Optimization. <i>Algorithms</i> , 2017, 10, 93.	1.2	37
17	Optimal synchronization of directed complex networks. <i>Chaos</i> , 2016, 26, 094807.	1.0	22
18	Clustering Network Layers with the Strata Multilayer Stochastic Block Model. <i>IEEE Transactions on Network Science and Engineering</i> , 2016, 3, 95-105.	4.1	90

#	ARTICLE	IF	CITATIONS
19	Erosion of synchronization: Coupling heterogeneity and network structure. <i>Physica D: Nonlinear Phenomena</i> , 2016, 323-324, 40-48.	1.3	10
20	Collective frequency variation in network synchronization and reverse PageRank. <i>Physical Review E</i> , 2016, 93, 042314.	0.8	11
21	Enhanced Detectability of Community Structure in Multilayer Networks through Layer Aggregation. <i>Physical Review Letters</i> , 2016, 116, 228301.	2.9	59
22	Synchronization of Heterogeneous Oscillators Under Network Modifications: Perturbation and Optimization of the Synchrony Alignment Function. <i>SIAM Journal on Applied Mathematics</i> , 2016, 76, 1984-2008.	0.8	23
23	Inferring causal molecular networks: empirical assessment through a community-based effort. <i>Nature Methods</i> , 2016, 13, 310-318.	9.0	209
24	Erosion of synchronization in networks of coupled oscillators. <i>Physical Review E</i> , 2015, 91, 010802.	0.8	52
25	Causal Network Inference by Optimal Causation Entropy. <i>SIAM Journal on Applied Dynamical Systems</i> , 2015, 14, 73-106.	0.7	140
26	Topological data analysis of contagion maps for examining spreading processes on networks. <i>Nature Communications</i> , 2015, 6, 7723.	5.8	90
27	Optimal Synchronization of Complex Networks. <i>Physical Review Letters</i> , 2014, 113, 144101.	2.9	119
28	Complex macroscopic behavior in systems of phase oscillators with adaptive coupling. <i>Physica D: Nonlinear Phenomena</i> , 2014, 267, 27-35.	1.3	31
29	Effects of degree-frequency correlations on network synchronization: Universality and full phase-locking. <i>Europhysics Letters</i> , 2013, 101, 20001.	0.7	38
30	A network-specific approach to percolation in complex networks with bidirectional links. <i>Europhysics Letters</i> , 2012, 98, 16007.	0.7	4
31	Spontaneous synchronization of coupled oscillator systems with frequency adaptation. <i>Physical Review E</i> , 2010, 81, 046214.	0.8	39