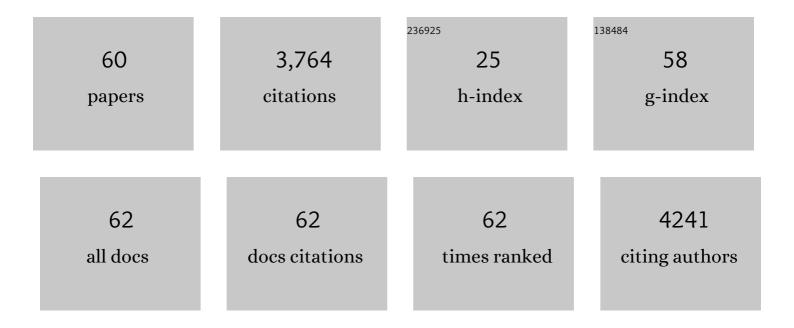
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Comparing transmission potential networks based on social network surveys, close contacts and environmental overlap in rural Madagascar. Journal of the Royal Society Interface, 2022, 19, 20210690.	3.4	7
2	A bipartite graph-based expected networks approach identifies DDR genes not associated with TMB yet predictive of immune checkpoint blockade response. Cell Reports Medicine, 2022, 3, 100602.	6.5	1
3	A Simultaneous Feature Selection and Compositional Association Test for Detecting Sparse Associations in High-Dimensional Metagenomic Data. Frontiers in Microbiology, 2022, 13, 837396.	3.5	4
4	Positive psychological states and stress responses in caregivers of adults receiving an allogeneic bone marrow transplant: A study protocol. Journal of Advanced Nursing, 2021, 77, 2073-2084.	3.3	1
5	Accrual of functional redundancy along the lifespan and its effects on cognition. NeuroImage, 2021, 229, 117737.	4.2	17
6	Synchronization of coupled Kuramoto oscillators under resource constraints. Physical Review E, 2021, 104, 014211.	2.1	5
7	Optimizing Emergency Stroke Transport Strategies Using Physiological Models. Stroke, 2021, 52, 4010-4020.	2.0	2
8	The association between hippocampal volume and memory in pathological aging is mediated by functional redundancy. Neurobiology of Aging, 2021, 108, 179-188.	3.1	11
9	Lower functional hippocampal redundancy in mild cognitive impairment. Translational Psychiatry, 2021, 11, 61.	4.8	17
10	Network Interconnectivity and Community Detection in HIV/Syphilis Contact Networks Among Men Who Have Sex With Men. Sexually Transmitted Diseases, 2020, 47, 726-732.	1.7	3
11	The emergence of a functionally flexible brain during early infancy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23904-23913.	7.1	36
12	Dynamics of social network emergence explain network evolution. Scientific Reports, 2020, 10, 21876.	3.3	2
13	Fecal IgA, Antigen Absorption, and Gut Microbiome Composition Are Associated With Food Antigen Sensitization in Genetically Susceptible Mice. Frontiers in Immunology, 2020, 11, 599637.	4.8	20
14	Map equation with metadata: Varying the role of attributes in community detection. Physical Review E, 2019, 100, 022301.	2.1	12
15	EndNote: Feature-based classification of networks. Network Science, 2019, 7, 438-444.	1.0	10
16	Social clustering in epidemic spread on coevolving networks. Physical Review E, 2019, 99, 062301.	2.1	11
17	Infectivity enhances prediction of viral cascades in Twitter. PLoS ONE, 2019, 14, e0214453.	2.5	2
18	Emotion semantics show both cultural variation and universal structure. Science, 2019, 366, 1517-1522.	12.6	177

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19	Concurrency and reachability in treelike temporal networks. Physical Review E, 2019, 100, 062305.	2.1	7
20	Assessing the robustness of cluster solutions obtained from sparse count matrices Psychological Methods, 2019, 24, 675-689.	3.5	12
21	Metabolomic networks connect host-microbiome processes to human Clostridioides difficile infections. Journal of Clinical Investigation, 2019, 129, 3792-3806.	8.2	70
22	Evolutionary prisoner's dilemma games coevolving on adaptive networks. Journal of Complex Networks, 2018, 6, 1-23.	1.8	14
23	Epidemic spreading in localized environments with recurrent mobility patterns. Physical Review E, 2018, 97, 052302.	2.1	36
24	Network-Ensemble Comparisons with Stochastic Rewiring and Von Neumann Entropy. SIAM Journal on Applied Mathematics, 2018, 78, 897-920.	1.8	6
25	Rigid Graph Compression: Motif-Based Rigidity Analysis for Disordered Fiber Networks. Multiscale Modeling and Simulation, 2018, 16, 1283-1304.	1.6	3
26	Functional classification of long non-coding RNAs by k-mer content. Nature Genetics, 2018, 50, 1474-1482.	21.4	198
27	Compressing Networks with Super Nodes. Scientific Reports, 2018, 8, 10892.	3.3	22
28	A local perspective on community structure in multilayer networks. Network Science, 2017, 5, 144-163.	1.0	42
29	Eigenvector-Based Centrality Measures for Temporal Networks. Multiscale Modeling and Simulation, 2017, 15, 537-574.	1.6	120
30	Scientific Training in the Era of Big Data: A New Pedagogy for Graduate Education. Big Data, 2017, 5, 12-18.	3.4	14
31	Super-Resolution Community Detection for Layer-Aggregated Multilayer Networks. Physical Review X, 2017, 7, .	8.9	16
32	The scaling structure of the global road network. Royal Society Open Science, 2017, 4, 170590.	2.4	26
33	Erratum to "Evolutionary prisoner's dilemma games coevolving on adaptive network― Journal of Complex Networks, 2017, 5, 964-964.	1.8	1
34	Spatiotemporal patterns and trends of Indian monsoonal rainfall extremes. Geophysical Research Letters, 2016, 43, 1710-1717.	4.0	71
35	Transitivity reinforcement in the coevolving voter model. Chaos, 2016, 26, 123112.	2.5	12
36	Clustering Network Layers with the Strata Multilayer Stochastic Block Model. IEEE Transactions on Network Science and Engineering, 2016, 3, 95-105.	6.4	90

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37	Enhanced Detectability of Community Structure in Multilayer Networks through Layer Aggregation. Physical Review Letters, 2016, 116, 228301.	7.8	59
38	Climate shocks and migration: an agent-based modeling approach. Population and Environment, 2016, 38, 47-71.	3.0	50
39	Modeling of Virion Collisions in Cervicovaginal Mucus Reveals Limits on Agglutination as the Protective Mechanism of Secretory Immunoglobulin A. PLoS ONE, 2015, 10, e0131351.	2.5	13
40	Think locally, act locally: Detection of small, medium-sized, and large communities in large networks. Physical Review E, 2015, 91, 012821.	2.1	88
41	Topological data analysis of contagion maps for examining spreading processes on networks. Nature Communications, 2015, 6, 7723.	12.8	90
42	Network Analysis Reveals Sex- and Antibiotic Resistance-Associated Antivirulence Targets in Clinical Uropathogens. ACS Infectious Diseases, 2015, 1, 523-532.	3.8	17
43	Kantian fractionalization predicts the conflict propensity of the international system. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11812-11816.	7.1	42
44	Modeling Neutralization Kinetics of HIV by Broadly Neutralizing Monoclonal Antibodies in Genital Secretions Coating the Cervicovaginal Mucosa. PLoS ONE, 2014, 9, e100598.	2.5	27
45	Resolving Structural Variability in Network Models and the Brain. PLoS Computational Biology, 2014, 10, e1003491.	3.2	85
46	Dynamics on modular networks with heterogeneous correlations. Chaos, 2014, 24, 023106.	2.5	30
47	Fluctuation of similarity to detect transitions between distinct dynamical regimes in short time series. Physical Review E, 2014, 89, 062908.	2.1	9
48	Nonaxisymmetric high-aspect-ratio ellipsoids under shear: Lowest-order correction for finite aspect ratios. Physical Review E, 2014, 90, 013005.	2.1	2
49	Cross-linked structure of network evolution. Chaos, 2014, 24, 013112.	2.5	68
50	Transient Antibody-Mucin Interactions Produce a Dynamic Molecular Shield against Viral Invasion. Biophysical Journal, 2014, 106, 2028-2036.	0.5	49
51	Role of social environment and social clustering in spread of opinions in coevolving networks. Chaos, 2013, 23, 043123.	2.5	15
52	Portrait of Political Party Polarization. Network Science, 2013, 1, 119-121.	1.0	65
53	Multiopinion coevolving voter model with infinitely many phase transitions. Physical Review E, 2013, 88, 062818.	2.1	16
54	Taxonomies of networks from community structure. Physical Review E, 2012, 86, 036104-36104.	2.1	79

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55	Dynamical clustering of exchange rates. Quantitative Finance, 2012, 12, 1493-1520.	1.7	50
56	A new method for simulating rigid body motion in incompressible twoâ€phase flow. International Journal for Numerical Methods in Fluids, 2011, 67, 713-732.	1.6	21
57	Community Structure in Time-Dependent, Multiscale, and Multiplex Networks. Science, 2010, 328, 876-878.	12.6	1,655
58	Diffusion-induced bias in near-wall velocimetry. Journal of Fluid Mechanics, 2007, 577, 443-456.	3.4	46
59	Random Walker Ranking for NCAA Division I-A Football. American Mathematical Monthly, 2007, 114, 761-777.	0.3	63
60	That sinking feeling. Nature, 2001, 409, 569-571.	27.8	24