Thang N Dinh

List of Publications by Year
in descending order

80 papers	2,258 citations	758635 12 h-index	454577 30 g-index
82 all docs	82 docs citations	82 times ranked	1727 citing authors

#	Article	IF	Citations
1	Stop-and-Stare. , 2016, , .		236
2	AI and Blockchain: A Disruptive Integration. Computer, 2018, 51, 48-53.	1.2	213
3	Overlapping communities in dynamic networks. , 2011, , .		143
4	Adaptive algorithms for detecting community structure in dynamic social networks. , 2011, , .		137
5	On New Approaches of Assessing Network Vulnerability: Hardness and Approximation. IEEE/ACM Transactions on Networking, 2012, 20, 609-619.	2.6	115
6	Maximizing the Spread of Positive Influence in Online Social Networks. , 2013, , .		90
7	Dynamic Social Community Detection and Its Applications. PLoS ONE, 2014, 9, e91431.	1.1	81
8	Cost-aware Targeted Viral Marketing in billion-scale networks. , 2016, , .		72
9	CapBand. , 2018, , .		67
10	OptChain: Optimal Transactions Placement for Scalable Blockchain Sharding. , 2019, , .		67
11	A Billion-Scale Approximation Algorithm for Maximizing Benefit in Viral Marketing. IEEE/ACM Transactions on Networking, 2017, 25, 2419-2429.	2.6	63
12	Cost-Effective Viral Marketing for Time-Critical Campaigns in Large-Scale Social Networks. IEEE/ACM Transactions on Networking, 2014, 22, 2001-2011.	2.6	57
13	On the approximability of positive influence dominating set in social networks. Journal of Combinatorial Optimization, 2014, 27, 487-503.	0.8	54
14	On Approximation of New Optimization Methods for Assessing Network Vulnerability. , 2010, , .		46
15	Network Under Joint Node and Link Attacks: Vulnerability Assessment Methods and Analysis. IEEE/ACM Transactions on Networking, 2015, 23, 1001-1011.	2.6	44
16	Towards social-aware routing in dynamic communication networks. , 2009, , .		41
17	eBP. , 2019, , .		40
18	TYTH-Typing On Your Teeth. , 2018, , .		35

#	Article	IF	Citations
19	Community Detection in Scale-Free Networks: Approximation Algorithms for Maximizing Modularity. IEEE Journal on Selected Areas in Communications, 2013, 31, 997-1006.	9.7	33
20	Cheap, easy, and massively effective viral marketing in social networks. , 2012, , .		29
21	TipTop: (Almost) Exact Solutions for Influence Maximization in Billion-Scale Networks. IEEE/ACM Transactions on Networking, 2019, 27, 649-661.	2.6	29
22	WAKE. , 2020, , .		29
23	Least Cost Influence in Multiplex Social Networks: Model Representation and Analysis. , 2013, , .		24
24	Precise structural vulnerability assessment via mathematical programming. , 2011, , .		23
25	Interest-matching information propagation in multiple online social networks. , 2012, , .		23
26	Overlapping Community Structures and Their Detection on Social Networks. , 2011, , .		20
27	PhO2. , 2017, , .		19
28	On Centralized and Localized Approximation Algorithms for Interference-Aware Broadcast Scheduling. IEEE Transactions on Mobile Computing, 2013, 12, 233-247.	3.9	18
29	Toward Optimal Community Detection: From Trees to General Weighted Networks. Internet Mathematics, 2015, 11, 181-200.	0.7	17
30	Network Clustering via Maximizing Modularity: Approximation Algorithms and Theoretical Limits. , 2015, , .		16
31	Outward Influence and Cascade Size Estimation in Billion-scale Networks. , 2017, , .		15
32	Multiple Infection Sources Identification with Provable Guarantees. , 2016, , .		15
33	An adaptive approximation algorithm for community detection in dynamic scale-free networks. , 2013, , .		14
34	Bound and exact methods for assessing link vulnerability in complex networks. Journal of Combinatorial Optimization, 2014, 28, 3-24.	0.8	14
35	Determining causal miRNAs and their signaling cascade in diseases using an influence diffusion model. Scientific Reports, 2017, 7, 8133.	1.6	14
36	Importance Sketching of Influence Dynamics in Billion-Scale Networks. , 2017, , .		14

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37	Adaptive algorithms for detecting critical links and nodes in dynamic networks. , 2012, , .		13
38	Assessing attack vulnerability in networks with uncertainty. , 2015, , .		13
39	Why approximate when you can get the exact? Optimal targeted viral marketing at scale. , 2017, , .		13
40	Blocking Self-Avoiding Walks Stops Cyber-Epidemics: A Scalable GPU-Based Approach. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 1263-1275.	4.0	13
41	Smartphone-Based SpO$_2$ Measurement by Exploiting Wavelengths Separation and Chromophore Compensation. ACM Transactions on Sensor Networks, 2020, 16, 1-30.	2.3	13
42	Deep Self-Taught Learning for Detecting Drug Abuse Risk Behavior in Tweets. Lecture Notes in Computer Science, 2018, , 330-342.	1.0	13
43	In-ear Biosignal Recording System. , 2016, , .		12
44	Revisiting of â€˜Revisiting the Stop-and-Stare Algorithms for Influence Maximizationâ€™. Lecture Notes in Computer Science, 2018, , 273-285.	1.0	12
45	Vulnerability of clustering under node failure in complex networks. Social Network Analysis and Mining, 2017, 7, 1.	1.9	11
46	Structural Vulnerability Analysis of Overlapping Communities in Complex Networks. , 2014, , .		10
47	A method to detect communities with stability in social networks. Social Network Analysis and Mining, 2014, 4, 1.	1.9	10
48	The walls have ears. , 2012, , .		9
49	Privacy Issues in Light of Reconnaissance Attacks with Incomplete Information. , 2016, , .		9
50	ParkSense: Automatic Parking Positioning by Leveraging In-Vehicle Magnetic Field Variation. IEEE Access, 2017, 5, 25021-25033.	2.6	9
51	A near-optimal adaptive algorithm for maximizing modularity in dynamic scale-free networks. Journal of Combinatorial Optimization, 2015, 30, 747-767.	0.8	8
52	Optimal packet scan against malicious attacks in smart grids. Theoretical Computer Science, 2016, 609, 606-619.	0.5	8
53	Outward Influence and Cascade Size Estimation in Billion-scale Networks. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2017, 1, 1-30.	1.4	8
54	Relevant and Non-Redundant Feature Selection for Cancer Classification and Subtype Detection. Cancers, 2021, 13, 4297.	1.7	8

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55	On Approximation Algorithms for Interference-Aware Broadcast Scheduling in 2D and 3D Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 438-448.	1.0	7
56	Enhancing Twitter spam accounts discovery using cross-account pattern mining. , 2015, , .		7
57	Community detection in multiplex social networks. , 2015, , .		7
58	Social Influence Spectrum at Scale. ACM Transactions on Information Systems, 2018, 36, 1-26.	3.8	7
59	Finding Community Structure with Performance Guarantees in Scale-Free Networks. , 2011, , .		6
60	Targeted cyber-attacks: Unveiling target reconnaissance strategy via Social Networks. , 2016, , .		6
61	Transitivity Demolition and the Fall of Social Networks. IEEE Access, 2017, 5, 15913-15926.	2.6	6
62	A General Approach for Modules Identification in Evolving Networks. Springer Optimization and Its Applications, 2010, , 83-100.	0.6	6
63	Unveiling the structure of multi-attributed networks via joint non-negative matrix factorization. , 2015, , .		5
64	Quantifying Privacy Vulnerability to Socialbot Attacks: An Adaptive Non-Submodular Model. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 855-868.	3.2	5
65	Outward Influence and Cascade Size Estimation in Billion-scale Networks. Performance Evaluation Review, 2017, 45, 63-63.	0.4	5
66	eBP. Communications of the ACM, 2021, 64, 118-125.	3.3	4
67	Blockchain-based Secure Client Selection in Federated Learning. , 2022, , .		4
68	A Unified Approach for Domination Problems on Different Network Topologies. , 2013, , 1-40.		3
69	Optimal Containment of Misinformation in Social Media: A Scenario-Based Approach. Lecture Notes in Computer Science, 2014, , 547-556.	1.0	3
70	Painometry. , 2020, , .		3
71	An efficient spectral bound for link vulnerability assessment in large-scale networks. , 2012, , .		2
72	Adaptive Crawling with Multiple Bots: A Matroid Intersection Approach. , 2018, , .		2

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73	Optimal Inspection Points for Malicious Attack Detection in Smart Grids. Lecture Notes in Computer Science, 2014, , 393-404.	1.0	2
74	Photometry based Blood Oxygen Estimation through Smartphone Cameras. , 2017, , .		1
75	Optimal topology of gene-regulatory networks: role of the average shortest path. , 2016, , .		1
76	eBP. GetMobile (New York, N Y), 2020, 23, 34-38.	0.7	1
77	Finding Dynamic Modules of Biological Regulatory Networks. , 2010, , .		0
78	Staying safe and visible via message sharing in online social networks. Journal of Combinatorial Optimization, 2014, 28, 186-217.	0.8	0
79	Breaking Bad: Finding Triangle-Breaking Points in Large Networks. Lecture Notes in Computer Science, 2015, , 285-295.	1.0	0
80	Hop-Based Sketch for Large-Scale Influence Analysis. Lecture Notes in Computer Science, 2019, , 95-107.	1.0	0