

György Dán

List of Publications by Year in descending order

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119
papers

2,321
citations

394421

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121
all docs

121
docs citations

121
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Stealth Attacks and Protection Schemes for State Estimators in Power Systems. , 2010, , .		281
2	Smart Meter Data Privacy: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 2820-2835.	39.4	199
3	Network-Aware Mitigation of Data Integrity Attacks on Power System State Estimation. IEEE Journal on Selected Areas in Communications, 2012, 30, 1108-1118.	14.0	115
4	Decentralized Algorithm for Randomized Task Allocation in Fog Computing Systems. IEEE/ACM Transactions on Networking, 2019, 27, 85-97.	3.8	79
5	Selfish Decentralized Computation Offloading for Mobile Cloud Computing in Dense Wireless Networks. IEEE Transactions on Mobile Computing, 2019, 18, 207-220.	5.8	77
6	Security of Fully Distributed Power System State Estimation: Detection and Mitigation of Data Integrity Attacks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1500-1508.	14.0	72
7	Joint Optimization of Service Function Placement and Flow Distribution for Service Function Chaining. IEEE Journal on Selected Areas in Communications, 2017, 35, 2532-2541.	14.0	70
8	Computation Offloading Scheduling for Periodic Tasks in Mobile Edge Computing. IEEE/ACM Transactions on Networking, 2020, 28, 667-680.	3.8	57
9	Security of smart distribution grids: Data integrity attacks on integrated volt/VAR control and countermeasures. , 2014, , .		47
10	Portunes+: Privacy-Preserving Fast Authentication for Dynamic Electric Vehicle Charging. IEEE Transactions on Smart Grid, 2017, 8, 2305-2313.	9.0	45
11	The Software-Defined Vehicular Cloud: A New Level of Sharing the Road. IEEE Vehicular Technology Magazine, 2017, 12, 78-88.	3.4	43
12	A Meta-Learning Scheme for Adaptive Short-Term Network Traffic Prediction. IEEE Journal on Selected Areas in Communications, 2020, 38, 2271-2283.	14.0	42
13	Joint Assignment and Scheduling for Minimizing Age of Correlated Information. IEEE/ACM Transactions on Networking, 2019, 27, 1887-1900.	3.8	39
14	Cache-to-Cache: Could ISPs Cooperate to Decrease Peer-to-Peer Content Distribution Costs?. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1469-1482.	5.6	37
15	Differentially private state estimation in distribution networks with smart meters. , 2015, , .		35
16	A game theoretic analysis of selfish mobile computation offloading. , 2017, , .		33
17	Challenges in Power System Information Security. IEEE Security and Privacy, 2012, 10, 62-70.	1.2	32
18	Network-layer protection schemes against stealth attacks on state estimators in power systems. , 2011, , .		31

#	ARTICLE	IF	CITATIONS
19	Resilience in live peer-to-peer streaming [Peer-to-Peer Multimedia Streaming]. , 2007, 45, 116-123.		30
20	A Game Theoretic Approach to Setting the Pilot Power Ratio in Multi-User MIMO Systems. IEEE Transactions on Communications, 2018, 66, 999-1012.	7.8	30
21	Minimizing age of correlated information for wireless camera networks. , 2018, , .		30
22	Wireless and Computing Resource Allocation for Selfish Computation Offloading in Edge Computing. , 2019, , .		29
23	Non-cooperative RSU deployment in vehicular networks. , 2012, , .		28
24	Feasibility of Time-Synchronization Attacks Against PMU-Based State Estimation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3412-3427.	4.7	28
25	Portunes: Privacy-preserving fast authentication for dynamic electric vehicle charging. , 2014, , .		25
26	Undetectable Timing-Attack on Linear State-Estimation by Using Rank-1 Approximation. IEEE Transactions on Smart Grid, 2018, 9, 3530-3542.	9.0	25
27	Dynamic content allocation for cloud-assisted service of periodic workloads. , 2014, , .		24
28	Predictive Distributed Visual Analysis for Video in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2016, 15, 1743-1756.	5.8	23
29	Convergence in Player-Specific Graphical Resource Allocation Games. IEEE Journal on Selected Areas in Communications, 2012, 30, 2190-2199.	14.0	22
30	Cooperative image analysis in visual sensor networks. Ad Hoc Networks, 2015, 28, 38-51.	5.5	21
31	On the effects of the packet size distribution on FEC performance. Computer Networks, 2006, 50, 1104-1129.	5.1	20
32	Optimal power flow: Closing the loop over corrupted data. , 2012, , .		20
33	Content-peering dynamics of autonomous caches in a content-centric network. , 2013, , .		20
34	Proactive key dissemination-based fast authentication for in-motion inductive EV charging. , 2015, , .		20
35	Interaction patterns between P2P content distribution systems and ISPs. , 2011, 49, 222-230.		19
36	Characterization of SURF and BRISK Interest Point Distribution for Distributed Feature Extraction in Visual Sensor Networks. IEEE Transactions on Multimedia, 2015, 17, 591-602.	7.2	19

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37	Cache Bandwidth Allocation for P2P File-Sharing Systems to Minimize Inter-ISP Traffic. IEEE/ACM Transactions on Networking, 2016, 24, 437-448.	3.8	18
38	Joint Management of Wireless and Computing Resources for Computation Offloading in Mobile Edge Clouds. IEEE Transactions on Cloud Computing, 2021, 9, 1507-1520.	4.4	18
39	Next Steps in Security for Time Synchronization: Experiences from implementing IEEE 1588 v2.1. , 2019, , .		18
40	Delay and playout probability trade-off in mesh-based peer-to-peer streaming with delayed buffer map updates. Peer-to-Peer Networking and Applications, 2010, 3, 208-221.	3.9	15
41	Real-Time Distributed Visual Feature Extraction from Video in Sensor Networks. , 2014, , .		15
42	Clustered content replication for hierarchical content delivery networks. , 2015, , .		15
43	Model-Based and Data-Driven Detectors for Time Synchronization Attacks Against PMUs. IEEE Journal on Selected Areas in Communications, 2020, 38, 169-179.	14.0	15
44	Detection and localization of targeted attacks on fully distributed power system state estimation. , 2013, , .		14
45	Lynx: Authenticated anonymous real-time reporting of electric vehicle information. , 2015, , .		14
46	Caching Encrypted Content Via Stochastic Cache Partitioning. IEEE/ACM Transactions on Networking, 2018, 26, 548-561.	3.8	14
47	A Benders Decomposition Approach for Resilient Placement of Virtual Process Control Functions in Mobile Edge Clouds. IEEE Transactions on Network and Service Management, 2018, 15, 1460-1472.	4.9	14
48	A Taxonomy for the Security Assessment of IP-Based Building Automation Systems: The Case of Thread. IEEE Transactions on Industrial Informatics, 2018, 14, 4113-4123.	11.3	14
49	Joint Wireless and Edge Computing Resource Management With Dynamic Network Slice Selection. IEEE/ACM Transactions on Networking, 2022, 30, 1865-1878.	3.8	13
50	On the security of distributed power system state estimation under targeted attacks. , 2013, , .		12
51	Prediction-based load control and balancing for feature extraction in visual sensor networks. , 2014, , .		12
52	On the effects of the packet size distribution on the packet loss process. Telecommunication Systems, 2006, 32, 31-53.	2.5	11
53	Coordinated Selfish Distributed Caching for Peering Content-Centric Networks. IEEE/ACM Transactions on Networking, 2016, 24, 3690-3701.	3.8	11
54	Cyber-security of SCADA systems. , 2012, , .		10

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55	Caching for BitTorrent-Like P2P Systems: A Simple Fluid Model and Its Implications. IEEE/ACM Transactions on Networking, 2012, 20, 1176-1189.	3.8	10
56	SELINDA: A secure, scalable and light-weight data collection protocol for smart grids. , 2013, , .		10
57	Distributed algorithms for content allocation in interconnected content distribution networks. , 2015, , .		10
58	Carbon footprint of movie distribution via the internet: a Swedish case study. Journal of Cleaner Production, 2015, 87, 197-207.	9.3	10
59	Coordinating Distributed Algorithms for Feature Extraction Offloading in Multi-Camera Visual Sensor Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3288-3299.	8.3	10
60	Tradeoffs in cloud and peer-assisted content delivery systems. , 2012, , .		9
61	Characterization of SURF interest point distribution for visual processing in sensor networks. , 2013, , .		9
62	Distributed Caching Algorithms for Interconnected Operator CDNs. IEEE Journal on Selected Areas in Communications, 2017, 35, 380-391.	14.0	9
63	On the Stability of End-Point-Based Multimedia Streaming. Lecture Notes in Computer Science, 2006, , 678-690.	1.3	9
64	A Rate-Distortion Based Comparison of Media-Dependent FEC and MDC for Real-Time Audio. , 2006, , .		8
65	Delay Asymptotics and Scalability for Peer-to-Peer Live Streaming. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 1499-1511.	5.6	8
66	Confidentiality-preserving obfuscation for cloud-based power system contingency analysis. , 2013, , .		8
67	Distributed algorithms for content placement in hierarchical cache networks. Computer Networks, 2017, 125, 160-171.	5.1	8
68	Reliable Video Streaming With Strict Playout Deadline in Multihop Wireless Networks. IEEE Transactions on Multimedia, 2017, 19, 2238-2251.	7.2	8
69	Resilient placement of virtual process control functions in mobile edge clouds. , 2017, , .		8
70	On the Performance of Error-resilient End-point-based Multicast Streaming. IEEE International Workshop on Quality of Service, 2006, , .	0.0	7
71	Joint Allocation of Computing and Wireless Resources to Autonomous Devices in Mobile Edge Computing. , 2018, , .		7
72	A Game Theoretic Approach to Uplink Pilot and Data Power Control in Multi-Cell Multi-User MIMO Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 8707-8720.	6.3	7

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73	Algorithms for distributed feature extraction in multi-camera visual sensor networks. , 2015, , .		6
74	Stochastic Dynamic Cache Partitioning for Encrypted Content Delivery. , 2016, , .		6
75	A continuum of undetectable timing-attacks on PMU-based linear state-estimation. , 2017, , .		6
76	Quality Differentiation with Source Shaping and Forward Error Correction. Lecture Notes in Computer Science, 2003, , 222-233.	1.3	6
77	Detection and Localization of PMU Time Synchronization Attacks via Graph Signal Processing. IEEE Transactions on Smart Grid, 2022, 13, 3241-3254.	9.0	6
78	Packet Size Distribution: An Aside?. Lecture Notes in Computer Science, 2005, , 75-87.	1.3	5
79	An analytical study of low delay multi-tree-based overlay multicast. , 2007, , .		5
80	Enabling transparent caching in LTE mobile backhaul networks with SDN. , 2016, , .		5
81	Time Constrained Service-Aware Migration of Virtualized Services for Mobile Edge Computing. , 2018, , .		5
82	On Emptying a Wireless Network with Minimum-Energy Under Age Constraints. , 2019, , .		5
83	Time-Synchronization Attack Detection in Unbalanced Three-Phase Systems. IEEE Transactions on Smart Grid, 2021, 12, 4460-4470.	9.0	5
84	Streaming Performance in Multiple-Tree-Based Overlays. Lecture Notes in Computer Science, 2007, , 617-627.	1.3	5
85	Server Guaranteed Cap: An Incentive Mechanism for Maximizing Streaming Quality in Heterogeneous Overlays. Lecture Notes in Computer Science, 2010, , 315-326.	1.3	5
86	A Longitudinal Characterization of Local and Global BitTorrent Workload Dynamics. Lecture Notes in Computer Science, 2012, , 252-262.	1.3	5
87	Centralized and Distributed Protocols for Tracker-Based Dynamic Swarm Management. IEEE/ACM Transactions on Networking, 2013, 21, 297-310.	3.8	4
88	Radio and Computational Resource Management for Fog Computing Enabled Wireless Camera Networks. , 2016, , .		4
89	Joint Resource Dimensioning and Placement for Dependable Virtualized Services in Mobile Edge Clouds. IEEE Transactions on Mobile Computing, 2022, 21, 3656-3669.	5.8	4
90	Semi-Persistent Scheduling for 5G Downlink based on Short-Term Traffic Prediction. , 2020, , .		4

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91	Are Multiple Descriptions Better Than One?. Lecture Notes in Computer Science, 2005, , 684-696.	1.3	3
92	Stability and performance of overlay multicast systems employing forward error correction. Performance Evaluation, 2010, 67, 80-101.	1.2	3
93	Efficient and highly available peer discovery: A case for independent trackers and gossiping. , 2011, , .		3
94	FADEC: Fast authentication for dynamic electric vehicle charging. , 2013, , .		3
95	Performance of in-network processing for visual analysis in wireless sensor networks. , 2015, , .		3
96	Efficient distribution of visual processing tasks in multi-camera visual sensor networks. , 2015, , .		3
97	Decentralized Scheduling for Offloading of Periodic Tasks in Mobile Edge Computing. , 2018, , .		3
98	Fog-Assisted Aggregated Synchronization Scheme for Mobile Cloud Storage Applications. IEEE Access, 2019, 7, 56852-56863.	4.2	3
99	Adversarial Attacks on Continuous Authentication Security: A Dynamic Game Approach. Lecture Notes in Computer Science, 2019, , 439-458.	1.3	3
100	A Scalable Formulation for Look-Ahead Security-Constrained Optimal Power Flow. IEEE Transactions on Control of Network Systems, 2022, 9, 138-150.	3.7	3
101	Context-aware information dissemination in vehicular networks. , 2011, , .		2
102	Cache capacity allocation for BitTorrent-like systems to minimize inter-ISP traffic. , 2012, , .		2
103	Wiretap codes for secure multi-party computation. , 2014, , .		2
104	Peekaboo: A gray hole attack on encrypted SCADA communication using traffic analysis. , 2014, , .		2
105	Distributed Algorithms for Content Caching in Mobile Backhaul Networks. , 2016, , .		2
106	Correlation-based Detection of PMU Time Synchronization Attacks. , 2018, , .		2
107	Delay Bounds and Scalability for Overlay Multicast. Lecture Notes in Computer Science, 2008, , 227-239.	1.3	2
108	Dynamic Cheap Talk for Robust Adversarial Learning. Lecture Notes in Computer Science, 2019, , 297-309.	1.3	2

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109	A Game Theoretic Analysis of LQG Control under Adversarial Attack. , 2020, , .		2
110	Network-aware Mitigation of Undetectable PMU Time Synchronization Attacks. , 2020, , .		2
111	Robust source-channel coding for real-time multimedia. Multimedia Systems, 2008, 13, 363-377.	4.7	1
112	On the Trade-Off between Relationship Anonymity and Communication Overhead in Anonymity Networks. , 2011, , .		1
113	Performance analysis of local caching replacement policies for internet video streaming services. , 2014, , .		1
114	Poster abstract: Decentralized fog computing resource management for offloading of periodic tasks. , 2018, , .		1
115	Optimal Pricing for Service Caching and Task Offloading in Edge Computing. , 2022, , .		1
116	Playout adaptation for peer-to-peer streaming systems under churn. , 2012, , .		0
117	A Proxy-Based Collaboration System to Minimize Content Download Time and Energy Consumption. IEEE Transactions on Mobile Computing, 2017, 16, 2105-2117.	5.8	0
118	Editorial: Recent Advances in Heterogeneous Networking for Quality, Reliability, Security and Robustness. Mobile Networks and Applications, 2017, 22, 845-847.	3.3	0
119	Scheduling Parallel Migration of Virtualized Services Under Time Constraints in Mobile Edge Clouds. , 2019, , .		0